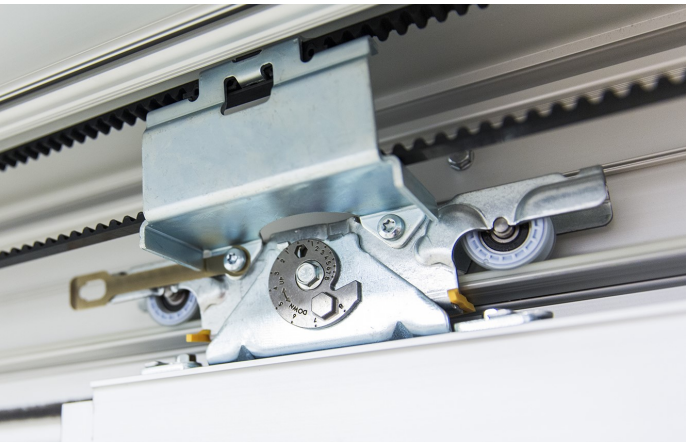
Interlocking and Door Automation Solutions - The comprehensive directory



Call us:
1890 274 273

Visit us:
Unit C Purcellsinch Industrial Estate,
Old Dublin Road, Kilkenny, R95 EH52

Email / Website:
admin@actec.ie
www.actec.ie

Actec - Interlocking and Door Automation Solutions

Actec is a Kilkenny based company established in 2002. We are a complete provider of interlocking and automation solutions for the Pharmaceutical, Biotechnology, Microelectronic and Healthcare Sectors.

Our clients are leading global companies who trust not only our knowledge and experience, but also our ability to specify and build the best possible solution to meet their exacting requirements.

The key to our success is our ability to constantly innovate by developing new products with the latest technologies. Actec's extensive product range, expert staff and detailed maintenance agreements give maximum transparency and the highest quality technical support in the market, especially in the controlled environment sectors.

ADSA
Automatic Door Suppliers Association

The Private Security Authority
An tÚdarás Slándála Príobháidí

Contact us for more information

Table of Contents

Product Category List

Call us:
1890 274 273

Visit us:
Unit C Purcellsinch Industrial Estate,
Old Dublin Road, Kilkenny, R95 EH52

Email / Website:
admin@actec.ie
www.actec.ie

Notes

Swing Door Automation

ACSW10 (EN16005:2002 compliant)

ACTEC
INTERLOCKING & DOOR AUTOMATION SOLUTIONS

Cost Effective Electromechanical automation for swing doors offering low-noise operation, making it an ideal selection for entrance doors with installation possible on either the push or pull side.

Powerful Operation

The ACSW10 electromechanical swing door operator is one of the more intelligent and silent swing door operators available on the market. It can be configured to work in either full energy or low energy modes, making it a very cost-effective option for automating a swing door entrance. An optional battery backup and battery monitoring provides the peace of mind to know that the door will operate, even when the power is lost, thereby making it a good option when trying to automate a door on an exit route or on a fire door. It is an ideal door operator for the healthcare, residential, office and public service environment where quiet operation is important.

Intelligent Controls

The door controls include intelligent locking technology which monitors the door position. If it detects that the door has not reached the fully closed position, it will prompt the door to reopen and close again properly. This provides a high level of safety in the event of the door sensing an obstruction as it will reverse the motor to avoid damage. For double door installations, the intelligent double-door functionality of the unit will ensure that the doors will always close in the correct sequence which is particularly important when automating rebated (overlapping) leafs.

Cost Effective

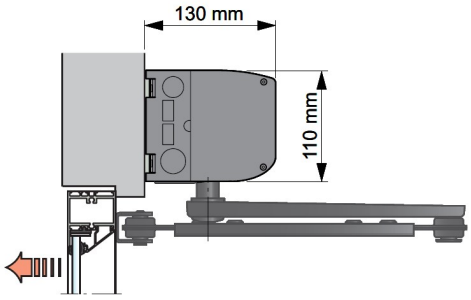
The motor also has an electronic door brake which will slow the door in the event that it is unexpectedly forced open or closed. This unique feature reduces wear and tear and therefore will reduce breakdowns and increase the operational lifetime of the automation, and also makes the motor suitable for a wide range of applications.

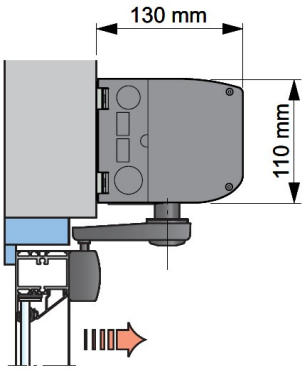
Call us:
1890 274 273

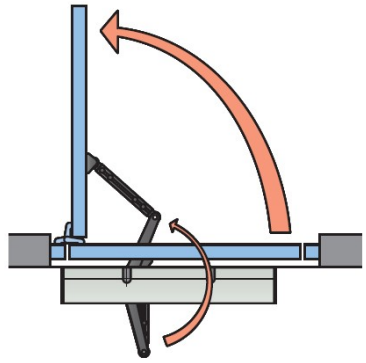
Visit us:
Unit C Purcellsinch Industrial Estate,
Old Dublin Road, Kilkenny, R95 EH52

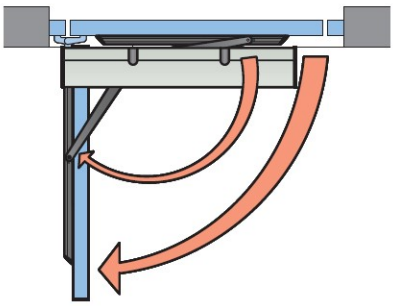
Email / Website:
admin@actec.ie
www.actec.ie

Swing / Sliding Automations









Technical Specifications:

Power Supply:	100-240Vac, +10/-15%, 50/60Hz
Power Consumption:	Max 75W
Auxiliary Voltage:	24Vdc (Max 400mA)
Maximum Door Weight:	210Kg
Lock Output:	12Vdc (Max 500mA) 24Vdc (Max 250mA)
Reveal (Push):	0 - 100mm (300mm with longer telescopic arm)
Reveal (Pull):	0 - 130mm
Door Opening Angle:	80^{o} - 110^{o} (adjustable)
Opening / Closing Time:	3-6 seconds (adjustable)
Ambient Temperature:	-20^{o} to + 45^{o} C
IP Rating:	IP20 (with standard canopy)
Humidity Rating:	85% non condensing
Standard Cover:	anodized aluminium with end plates made of black painted steel
Dimensions:	Height - 110mm Depth - 130mm

Accessories

Extension Unit SI - Used if additional functions are required, such as electromechanical lock, program selector, emergency battery, key impulse

Extension unit SA – Used if door has safety sensors fitted. This also has a relay output for error or door indication.

Keyswitch – Used to select the operational mode of the door (e.g. exit only, locked, automatic, etc). Can only be used by authorised personnel.

Program Switch – Provides all the functionality of the keyswitch, plus some extra features.

Battery Kit

Stainless Steel Canopy (Double or Single Width)

Contact us for more information

Swing Door Automation

ACSW20 (EN16005:2002 compliant)

ACTEC
INTERLOCKING & DOOR AUTOMATION SOLUTIONS

Intelligent, Heavy Duty, Electromechanical Swing Door Operator, particularly suited to heavy doors and high footfall areas, and suitable for all controlled environments.

Powerful Operation

Thanks to the extremely powerful gear reducer which performs opening and contributes to closing (spring assisted), the ACSW20 is one of the highest performers in its market segment. When used in conjunction with a push-arm, the ACSW20 can automate a swing door up to 400Kg in weight and 1.6m wide (dependent on air pressure). The servo-assisted motor with spring guarantees a reliable closing movement against air pressure and crossing pressure, while the encoder offers perfect control of the movement. Thanks to its strong steel mechanical components, the ACSW20 has been tested up to 1,000,000 cycles to achieve it CE marking.

Intelligent Controls

Operation on double doors is performed by the dynamic controls which offers many possibilities. The operator comes with a large number of operating modes, such as Push & Go, and Power Assist. These ensure that the ACSW20 will meet the various different needs of the controlled environment market. The addition of the optional battery kit will give safe operation of the door in the absence of any external power. It can be combined with an optional external LED which will give status of the door, and will speed up the diagnosis of any problems.

Cost Effective

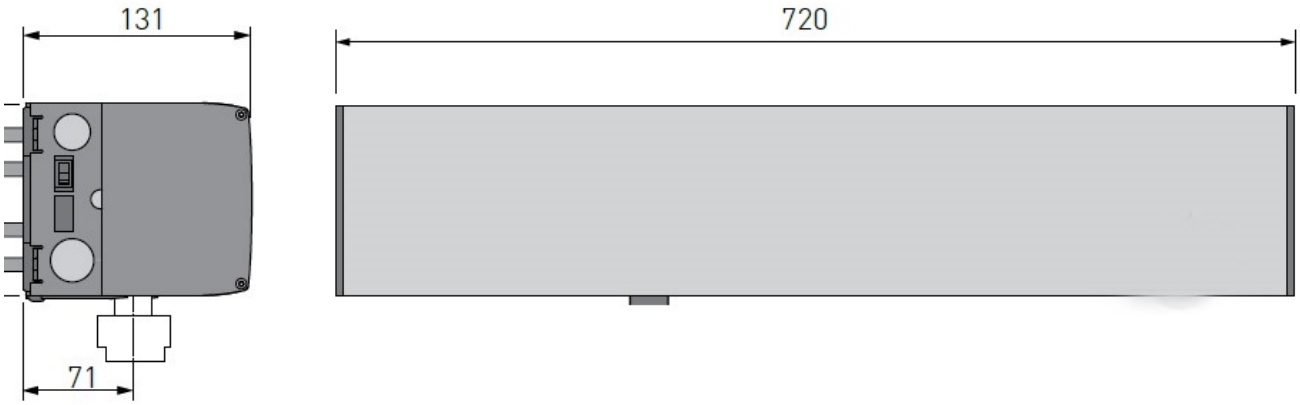
Due to the large number of accessories available including arm and shaft extensions, the ACSW20 can easily be configured to a wide range of applications, including Cleanroom, Healthcare, Laboratory, Food Preparation and Food manufacture, and Controlled environments.

Call us:
1890 274 273

Visit us:
Unit C Purcellsinch Industrial Estate,
Old Dublin Road, Kilkenny, R95 EH52

Email / Website:
admin@actec.ie
www.actec.ie

Swing / Sliding Automations



Technical Specifications:	
Power Supply:	100-240Vac, 50/60Hz
Power Consumption:	Max 300W
Auxiliary Voltage:	24Vdc (Max 700mA)
Maximum Door Weight:	400Kg
Lock Output (with lock output card):	12Vdc (Max 1200mA) 24Vdc (Max 600mA)
Door Opening Angle:	80^{o} - 110^{o} (adjustable)
Opening Time:	2.5—12 seconds (adjustable)
Closing Time:	4—12 seconds (adjustable)
Ambient Temperature:	-20^{o} to + 45^{o} C (-10^{o} to + 50^{o} C with batteries)
IP Rating:	IP20 (with standard
Humidity Rating:	85% non condensing
Operation:	Motor Opening, spring and motor closing
Dimensions:	Height - 111mm Depth - 131mm Length - 720mm

Accessories

Security Extension Unit - Used if additional functions are required, such as electromechanical lock.

Safety Extension Unit – Used if door has safety sensors fitted.

Program Selector – Used to select the operational mode of the door (e.g. exit only, locked, automatic, etc). Can only be used by authorised personnel.

Battery Kit

External LED Alarm Signal Kit

Microswitch kit to power electromechanical lock in case of mains outage (recommended for fire-door applications)

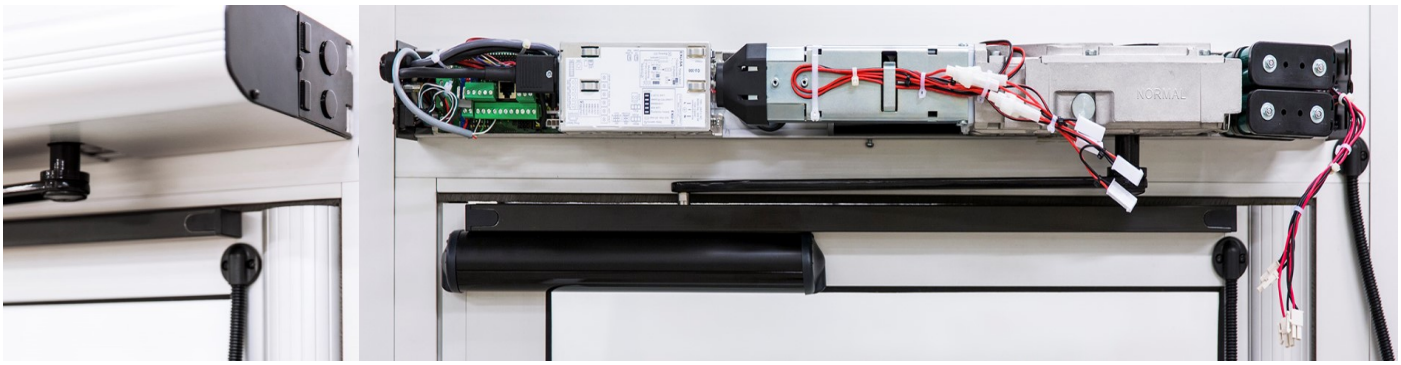
Stainless Steel Canopy (Double or Single Width)

Contact us for more information

Swing Door Automation

ACSW30 (EN16005:2002 compliant)

ACTEC
INTERLOCKING & DOOR AUTOMATION SOLUTIONS



The ACSW30 is one of the most powerful, safe and flexible door operators in the market. The super slim electromechanical operator is designed for silent operation and maximum reliability.

Powerful Operation

Offering silent operation and high performance, the ACSW30 can operate heavy doors up to 250Kg with ease, and ensures a proper operation in a wide range of air pressure differences or tough weather conditions (e.g. heavy wind loads).

Intelligent Controls

The use of clever features such as “Push and Go” and “Power Assist” allows the ACSW30 to be easily manually opened. The optional low energy setting limits the speed and force during opening and closing. Equally, the ACSW30 can be fitted with monitored safety sensors and thereby ensure a safe entrance during Full-Energy operation. When the safety sensors detect an obstacle during opening phase, the door stops. When an obstacle is detected during closing phase, it stops and reverses the direction. If a monitored sensor detects an error, the door is automatically stopped and changes into manual operation.

Wide Ranging Applications

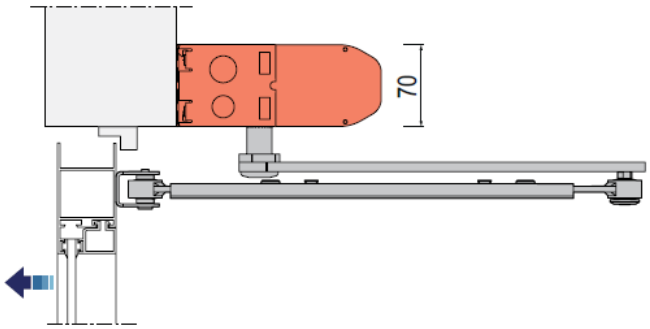
The ACSW30 is approved for use on fire doors, both with single doors and double doors (thanks to its unique mechanical coordination unit). The ACSW30 is the ideal choice for almost any application, e.g. in Cleanroom, Healthcare, Laboratory, Food Preparation and Controlled environments. And the intelligent self-learning cycle is a guarantee for quick and correct commissioning of the operator, meaning the ACSW30 requires minimal maintenance.

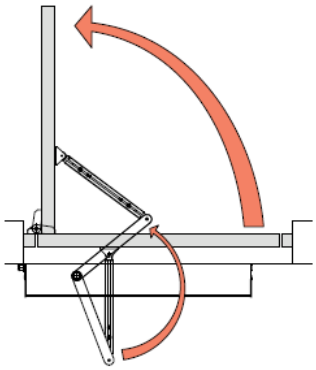
Call us:
1890 274 273

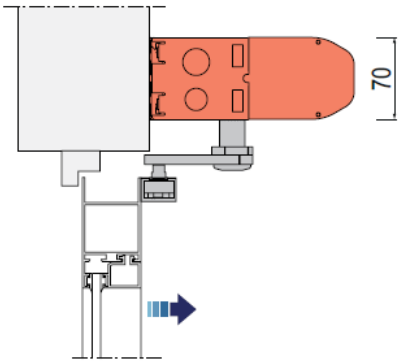
Visit us:
Unit C Purcellsinch Industrial Estate,
Old Dublin Road, Kilkenny, R95 EH52

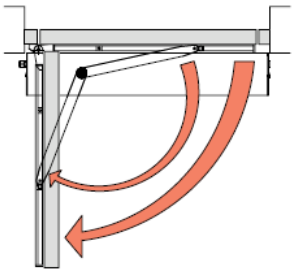
Email / Website:
admin@actec.ie
www.actec.ie

Swing / Sliding Automations









Technical Specifications:

Power Supply:	100-240Vac, +10/-15%, 50/60Hz
Power Consumption:	Max 300W
Auxiliary Voltage:	24Vdc (Max 700mA)
Maximum Door Weight:	250Kg
Lock Output:	12Vdc 1200mA 24Vdc 600mA
Reveal (Push):	0—22mm standard (Up to 367mm with extensions)
Reveal (Pull):	0—114mm
Door Opening Angle:	80° - 110° (adjustable)
Opening Time:	2.5—12 seconds (adjustable)
Closing Time:	4—12 seconds (adjustable)
Ambient Temperature:	-20° to + 45° C
IP Rating:	IP20 (with standard
Humidity Rating:	85% non condensing
Hold Open Time:	1.5—30 seconds
Motor Weight:	7.6 Kg
Dimensions:	Height - 70mm Depth - 175mm Length - 840mm

Accessories

Backup Battery Pack

Security and Impulse Expansion Card

Safety Expansion Card

Off / Auto / Hold Open Switch

Mechanical Coordinator Kit for fire door coordination with or without power

LED Indicator

Stainless Steel Canopy (Double or Single Width)

Contact us for more information

Sliding Door Automation

ACSL10 (EN16005:2002 compliant)

ACTEC
INTERLOCKING & DOOR AUTOMATION SOLUTIONS

The ACSL10 sliding door operator is one of the most versatile, safe and reliable door operators on the market. It's appealing slim design, high performance and wide range of accessories for convenience, safety and security makes the ACSL10 the ideal choice for all controlled environments.

Convenience

The ACSL10 is designed to meet all the demanding requirements for reliability, silent operation and user friendliness. The pre-programmed control system includes a variety of settings and functions to optimize the ACSL10 operation for your unique automatic entrance. With an adjustable hold open time which can be configured to suit your specific requirements, and a built in interlock function, the ACSL10 is at home in all controlled environment scenarios.

Safety and Security

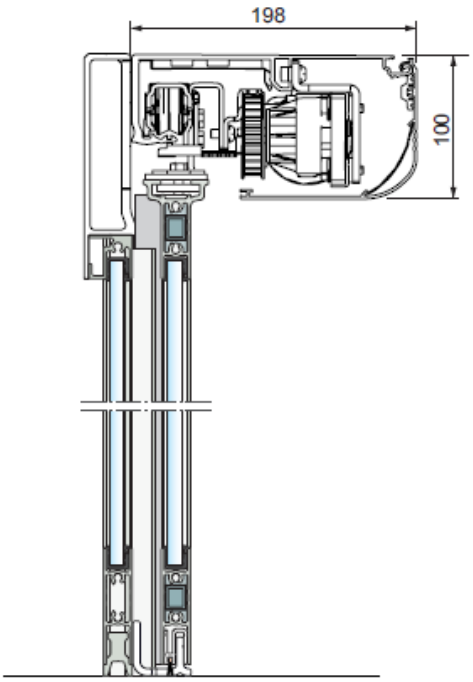
The ACSL10 is designed with safety and security in mind. Being available in three different safety versions, the ACSL10 complies with all major safety standards for a wide range of door applications including escape routes. All models are compliant with mandatory EN16005:2012 requirements, and the optional addition of extra safety features such as redundant motor power supply and back-up batteries. To comply with the highest level of safety, the ACSL10 is also available as a 2 motor version with the motors working independently of each other. When the first motor fails operating, the second motor automatically starts powering the door. The reverse on obstruction feature immediately reverses the direction of the motor when an obstacle is encountered, and after a period of time the door then starts closing at a slower speed to check if the obstruction has been cleared from the entrance.

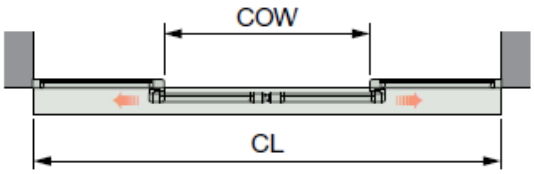
Call us:
1890 274 273

Visit us:
Unit C Purcellsinch Industrial Estate,
Old Dublin Road, Kilkenny, R95 EH52

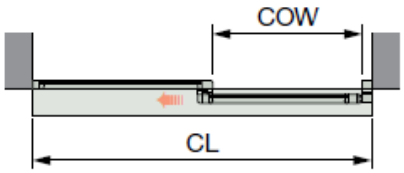
Email / Website:
admin@actec.ie
www.actec.ie

Swing / Sliding Automations

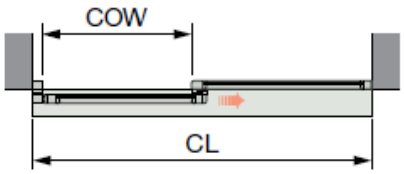




Bi-parting



Left opening



Right opening

COW = Clear opening width
CL = Cover length

Technical Specifications:

Power Supply:	100-240Vac, +10/-10%, 50/60Hz
Power Consumption:	Max 250W
Maximum Door Weight (with optional heavy duty rollers):	1 @ 240Kg 2 @ 200Kg
Ambient Temperature:	-20° to + 50° C
Relative Humidity (non-condensing):	Max. 85%

Accessories

Emergency Unit with backup battery pack

Stainless Steel Canopy

Motion Sensors

Operation Mode Selector

Electrical Locks

Microswitch Kit

Locked door indicator

Break-out unit

Fire Alarm connection

Nurse Function (for partial opening)

Remote Exit Control

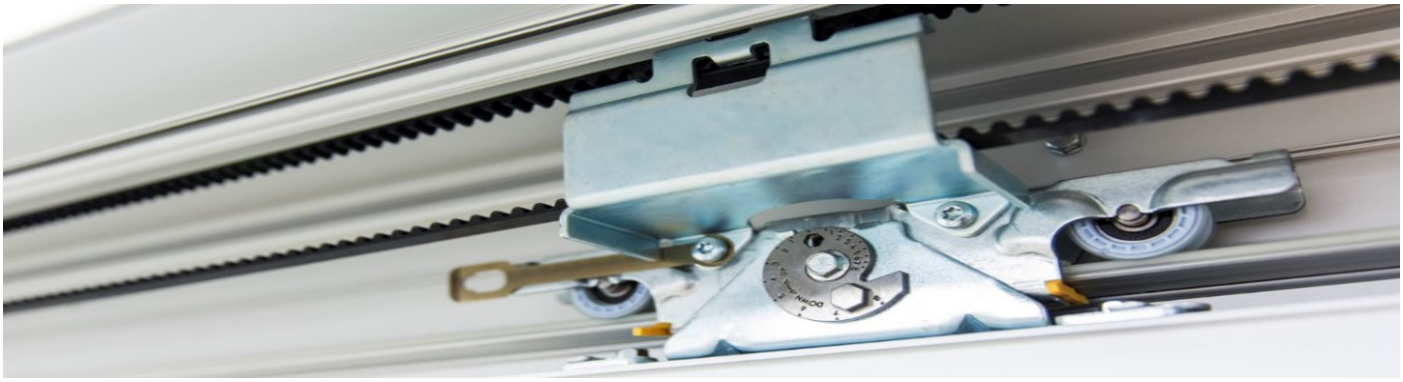
Radio transmitter activation of door for non-contact operation

Contact us for more information

Sliding Door Automation

ACSL20 (EN16005:2002 compliant)

ACTEC
INTERLOCKING & DOOR AUTOMATION SOLUTIONS



The ACSL20 sliding door operator is one of the most versatile, safe and reliable door operators on the market. With a slimmer and deeper profile than the ACSL10, it can easily be integrated into an aesthetically pleasing architectural entrance, and its wide range of accessories makes it the ideal choice for all entrances.

Convenience

The ACSL20 is designed to meet all the demanding requirements for reliability, silent operation and user friendliness. The pre-programmed control system includes a variety of settings and functions to optimize the ACSL20 operation for your unique automatic entrance. With an adjustable hold open time which can be configured to suit your specific requirements, and a built in interlock function, the ACSL20 is at home in all controlled environment scenarios.

Safety and Security

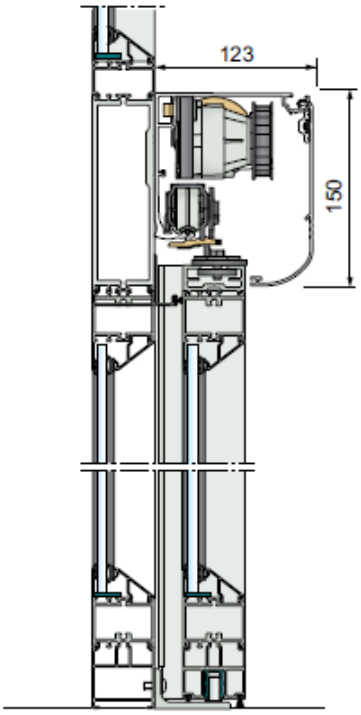
The ACSL20 is designed with safety and security in mind. Being available in three different safety versions, the ACSL20 complies with all major safety standards for a wide range of door applications including escape routes. All models are compliant with mandatory EN16005:2012 requirements, and the optional addition of extra safety features such as redundant motor power supply and back-up batteries. To comply with the highest level of safety, the ACSL20 is also available as a 2 motor version with the motors working independently of each other. When the first motor fails operating, the second motor automatically starts powering the door. The reverse on obstruction feature immediately reverses the direction of the motor when an obstacle is encountered, and after a period of time the door then starts closing at a slower speed to check if the obstruction has been cleared from the entrance. The ACSL20 is suitable for a wide range of applications.

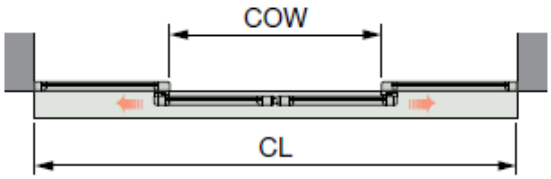
Call us:
1890 274 273

Visit us:
Unit C Purcellsinch Industrial Estate,
Old Dublin Road, Kilkenny, R95 EH52

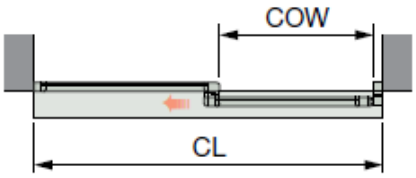
Email / Website:
admin@actec.ie
www.actec.ie

Swing / Sliding Automations

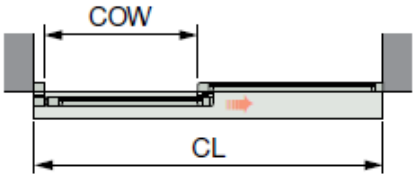




Bi-parting



Left opening



Right opening

COW = Clear opening width
CL = Cover length

Technical Specifications:

Power Supply:	100-240Vac, +10/-10%, 50/60Hz
Power Consumption:	Max 250W
Maximum Door Weight (with optional heavy duty rollers):	1 @ 240Kg 2 @ 200Kg
Ambient Temperature:	-20° to + 50° C
Relative Humiidity (non-condensing):	Max. 85%

Accessories

Emergency Unit with backup battery pack

Stainless Steel Canopy

Motion Sensors

Operation Mode Selector

Electrical Locks

Microswitch Kit

Locked door indicator

Fire Alarm connection

Nurse Function (for partial opening)

Remote Exit Control

Radio transmitter activation of door for non-contact operation

Contact us for more information

Notes

Call us:
1890 274 273

Visit us:
Unit C Purcellsinch Industrial Estate,
Old Dublin Road, Kilkenny, R95 EH52

Email / Website:
admin@actec.ie
www.actec.ie

Notes

Fully Hermetic Sliding Door

ACHM10 (EN16005:2002 compliant)

ACTEC
INTERLOCKING & DOOR AUTOMATION SOLUTIONS

The ACHM10 is a fully certified and tested, fully hermetic sliding door system, designed specifically for the controlled environments sector where the requirement exists for a door with the tightest possible seal.

Super-Silent Operation

All versions of the ACHM10 feature super silent operation, thanks to the anti-vibration seals, making them ideal for environments where comfort, silence and a warm welcome are indispensable and fundamental requirements.

Certified Airtightness

The rounded guard and the screwless visible heads prevent dust from building up, thereby making the cleaning process far simpler and more reliable. Electrostatic energy that may have accumulated on the moving wings is permanently discharged through the unique moving earth built into the ACHM10.

Automatic doors must guarantee freedom of movement in absolute hygiene and safety for all users without coming into manual contact with the actual doors. The ACHM10 accommodates these needs fully. Air leakage rates have been independently tested to be 0.03 m^3 / hour x m^2 when pressurised to 20Pa.

Maximum Safety

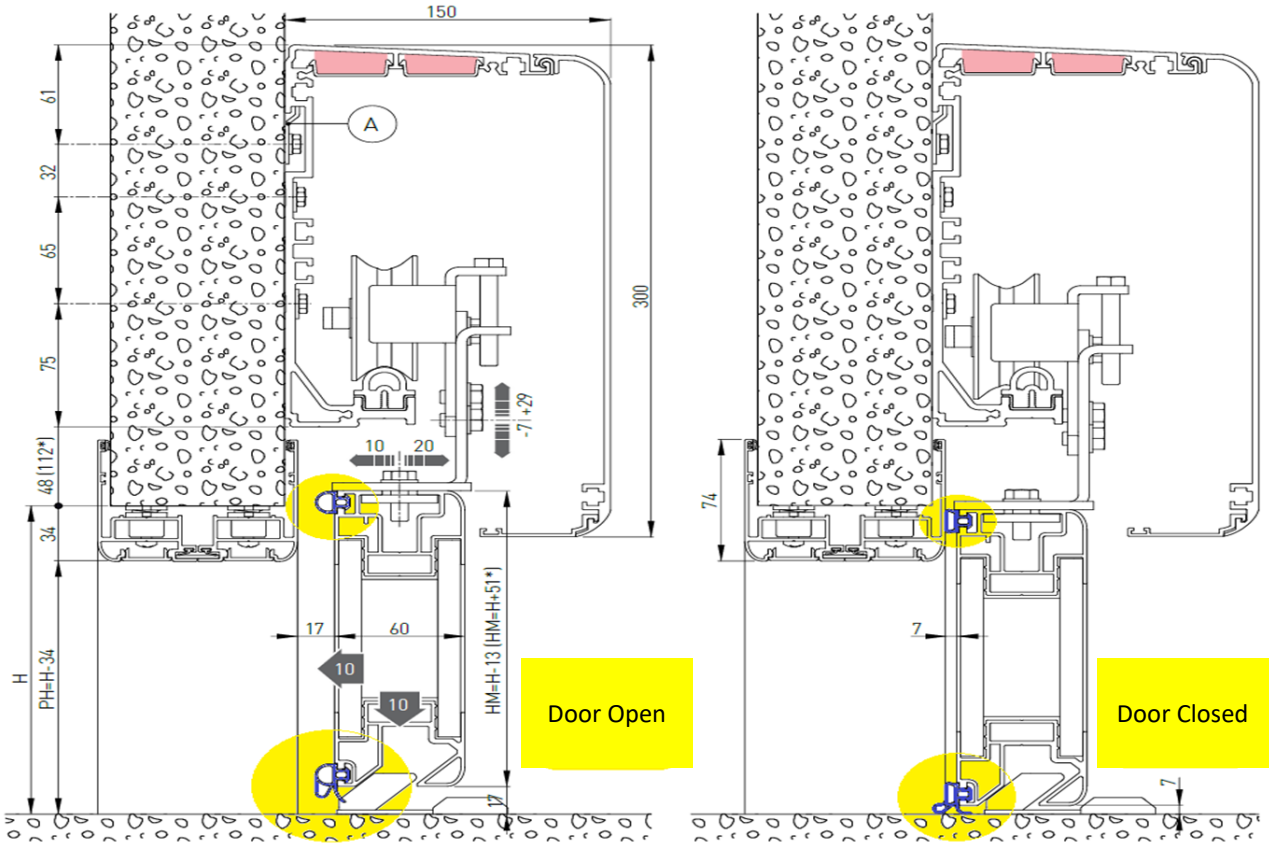
Built in motion detectors can be added into the automation, and if necessary can be concealed within the head of the door. Consequently this prevents the usual build up of dust on the outside of the safety sensor, a common problem with standard safety sensor installation. The safety sensors also ensure protection not only in the doorway but also in the side opening movement of the wings, preventing accidental impact with unforeseen obstacles. They are indispensable when stretchers and wheelchairs are passing which may not be detected by traditional photocells.

Call us:
1890 274 273

Visit us:
Unit C Purcellsinch Industrial Estate,
Old Dublin Road, Kilkenny, R95 EH52

Email / Website:
admin@actec.ie
www.actec.ie

Hermetic Doors



Technical Specifications:

Power Supply:	230Vac, 50/60Hz
Power Consumption:	Max 250W
Door Leaf Construction:	Aluminium surround, HPL panel or Stainless Steel or Glazed wing
Motor Control:	Encoder
Air Permeability Test:	UNI EN1026—EN12207 Class 3/4 UNI EN12426—EN12427 Class 5
Duty Class:	4—heavy duty 5—very heavy duty
Dimensions:	150mm x 300mm x L
Earthing Kit from frame to door leaf:	Resistance < 0.2 Ohm
Max Opening / Closing Speed:	0.5m/s (1 wing) 1.0 m/s (2 wings)
Operating Temperature:	+ 2° to + 50° C
Door Core:	Polyester
Acoustic Test:	UNI EN ISO 10140—ISO 717 -27dB with HPL wing -34dB with Stainless steel wing with 3mm Lead lining
IP Rating:	IP20 (with standard canopy)

Suitable for:

Operating Theatres

Radiology Rooms

Clean Rooms

Controlled Environments

Pharmaceutical industry

Sound insulated environments

Electronics Laboratories

Analysis Laboratories

Applications with heavy door wings

Contact us for more information

Airtight Sliding Door

ACHM20 (EN16005:2002 compliant)

ACTEC
INTERLOCKING & DOOR AUTOMATION SOLUTIONS

The ACHM20 is an automatic door system (wing and frame) where the wing provides for a partial seal with a specially designed guard.

Super-Silent Operation

All versions of the ACHM20 feature super silent operation, thanks to the anti-vibration seals, making them ideal for environments where comfort, silence and a warm welcome are indispensable and fundamental requirements.

Certified Airtightness

The rounded guard and the screwless visible heads prevent dust from building up, thereby making the cleaning process far simpler and more reliable. Electrostatic energy that may have accumulated on the moving wings is permanently discharged through the unique moving earth built into the ACHM20.

Automatic doors must guarantee freedom of movement in absolute hygiene and safety for all users without coming into manual contact with the actual doors. The ACHM20 accommodates these needs fully.

Maximum Safety

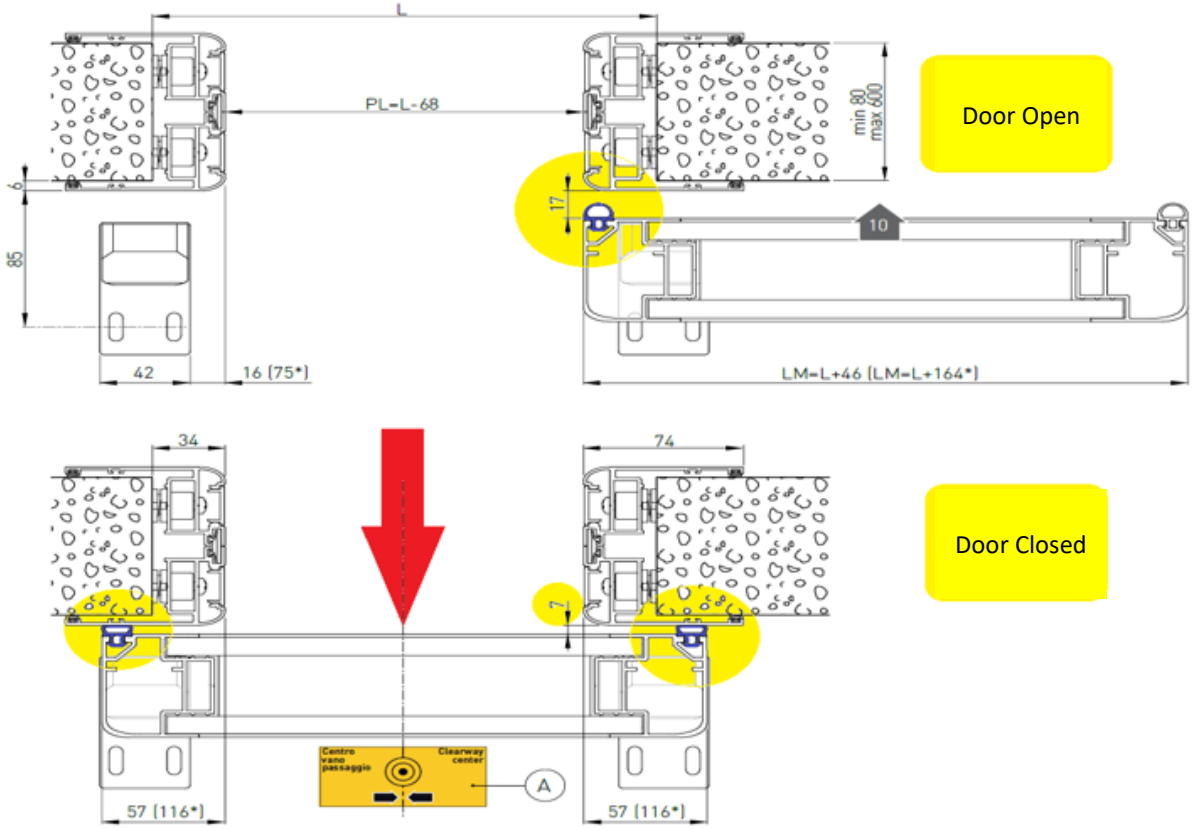
Built in motion detectors can be added into the automation, and if necessary can be concealed within the head of the door. Consequently this prevents the usual build up of dust on the outside of the safety sensor, a common problem with standard safety sensor installation. The safety sensors also ensure protection not only in the doorway but also in the side opening movement of the wings, preventing accidental impact with unforeseen obstacles. They are indispensable when stretchers and wheelchairs are passing which may not be detected by traditional photocells.

Call us:
1890 274 273

Visit us:
Unit C Purcellsinch Industrial Estate,
Old Dublin Road, Kilkenny, R95 EH52

Email / Website:
admin@actec.ie
www.actec.ie

Hermetic Doors



Technical Specifications:

Power Supply:	230Vac, 50/60Hz
Power Consumption:	Max 250W
Door Leaf Construction:	Aluminium surround, HPL panel or Stainless Steel or Glazed wing
Motor Control:	Encoder
Air Permeability Test:	UNI EN1026—EN12207 Class 1/2 UNI EN12426—EN12427 Class 1
Duty Class:	4—heavy duty 5—very heavy duty 6—Continuous
Dimensions:	150mm x 300mm x L
Earthing Kit from frame to door leaf:	Resistance < 0.2 Ohm
Max Opening / Closing Speed:	0.5m/s (1 wing) 1.0 m/s (2 wings)
Door Core:	Polyester
Operating Temperature:	+ 2° to + 50° C

Suitable for:

Operating Theatres

Clean Rooms

Controlled Environments

Pharmaceutical industry

Electronics Laboratories

Analysis Laboratories

Applications with heavy door wings

Emergency Room

General Semi-Hermetic Applications

Contact us for more information

Notes

Call us:

1890 274 273

Visit us:

Unit C Purcellsinch Industrial Estate,

Old Dublin Road, Kilkenny, R95 EH52

Email / Website:

admin@actec.ie

www.actec.ie

Notes

Simplex Interlock Controls

ACIL10

ACTEC
INTERLOCKING & DOOR AUTOMATION SOLUTIONS

The door control system ACIL10 is the simple and complete solution to manage the interlock sequences of two to four doors in contamination controlled areas.

Simple Customisation

The centrally located interlock control panel can be programmed using dip-switches located internally within the housing of the panel. Numerous different combinations of logic functions are available with pre-loaded common functions.

Intelligent Controls

Control panel can be configured to control 2 to 4 doors, and come with integrated timers to control pressurisation times and other essential functions. Using fast fail-safe connections, trouble shooting and replacing parts is now 80% faster and more reliable. Configuration of the interlock controls is performed using the on-board dip-switches.

Control panel also provides for commands for automated processes, and has a built in input for a card reader and emergency unlock.

Numerous Configurations

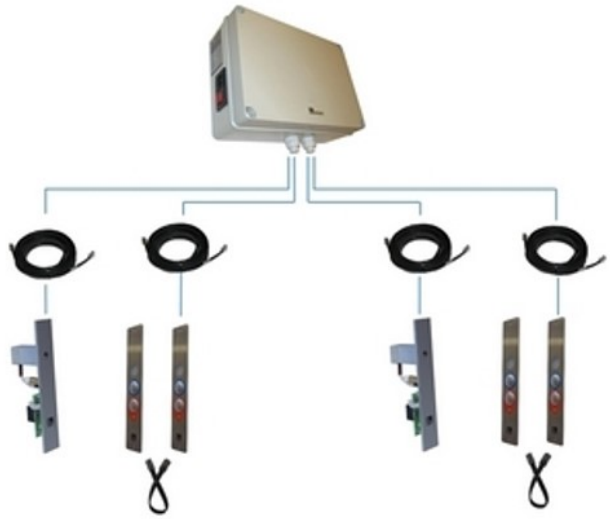
The ACIL10 provides numerous configurations, including material airlocks, personnel airlocks and passageway logic. Locks supported include Electric strike locks, Piston locks and Electromagnetic locks. Door mounted red or green traffic lights can be lit when the door is locked, depending on clients requirements. Timer can be programmed from 0 to 99 minutes. The ACIL10 can also be configured to communicate with the site BMS system, depending on the specific requirements and has a lengthy proven track record with many years of proven service in the cleanroom / controlled environments sectors. The ACIL10 has a wide range of applications, including Cleanroom, Healthcare, Laboratory, Food Preparation and Food manufacture, and Controlled Environments.

Call us:
1890 274 273

Visit us:
Unit C Purcellsinch Industrial Estate,
Old Dublin Road, Kilkenny, R95 EH52

Email / Website:
admin@actec.ie
www.actec.ie

Interlocks / Door Hardware / Activation / Safety Devices



Technical Specifications:	
Power:	230Vac / 24Vdc (12Vdc only on demand)
Max Current Consumption:	1A @ 230Vac
Traffic light Output:	100mA @ 24Vdc
Lock Output:	250mA @ 24Vdc
No. of Doors Controlled:	2 to 4 doors
Control Panel Dimensions:	342 x 253 x 129mm
Enclosure Construction:	Plastic (halogen free material)
Working Temperature:	-5° to + 50° C
Certifications:	2004/108/EC— EN61000-6-2 (2005) EN61000-6-3 (2007) & A1 (2011) EN60950-1:2006 & A11:2009 + A1:2010 & A12:2011
Inputs:	Plug or Wire Connection Door Status Remote Door Unlocking
Outputs:	Locks / Indicators Door Automation Operator

Benefits of using ACIL10

Compact, Easy to use and low maintenance solution for interlock contols

Good quality / price ratio

Suitable for a wide variety of interlocking applications

Easy to install thanks to plug and play connections

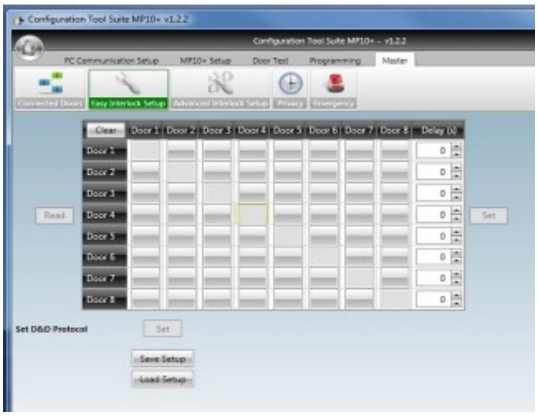
Easy to configure by adjusting the dipswitches on the control panel circuit board

Contact us for more information

Modular Interlock Controls

ACIL11

ACTEC
INTERLOCKING & DOOR AUTOMATION SOLUTIONS



The modular door interlock control system ACIL11 is a powerful and flexible micro-processor based controller, designed specifically for complex interlocking arrangements.

Dedicated Controls

Using the dedicated software tool, the ACIL11 can be configured to control up to 8 doors in any various different configuration, and all door parameters and controlling rationale is fully programmable.

Intelligent Controls

Control panel can be configured to control up to 8 doors, and comes with integrated timers to control pressurisation times and other essential functions. Using fast fail-safe connections, trouble shooting and replacing parts is now 80% faster and more reliable. Configuration of the interlock controls is performed using the dedicated software tool.

Control panel also provides for commands for automated processes, and has a number of configurable programmable auxiliary inputs and outputs.

Auxiliary Equipment

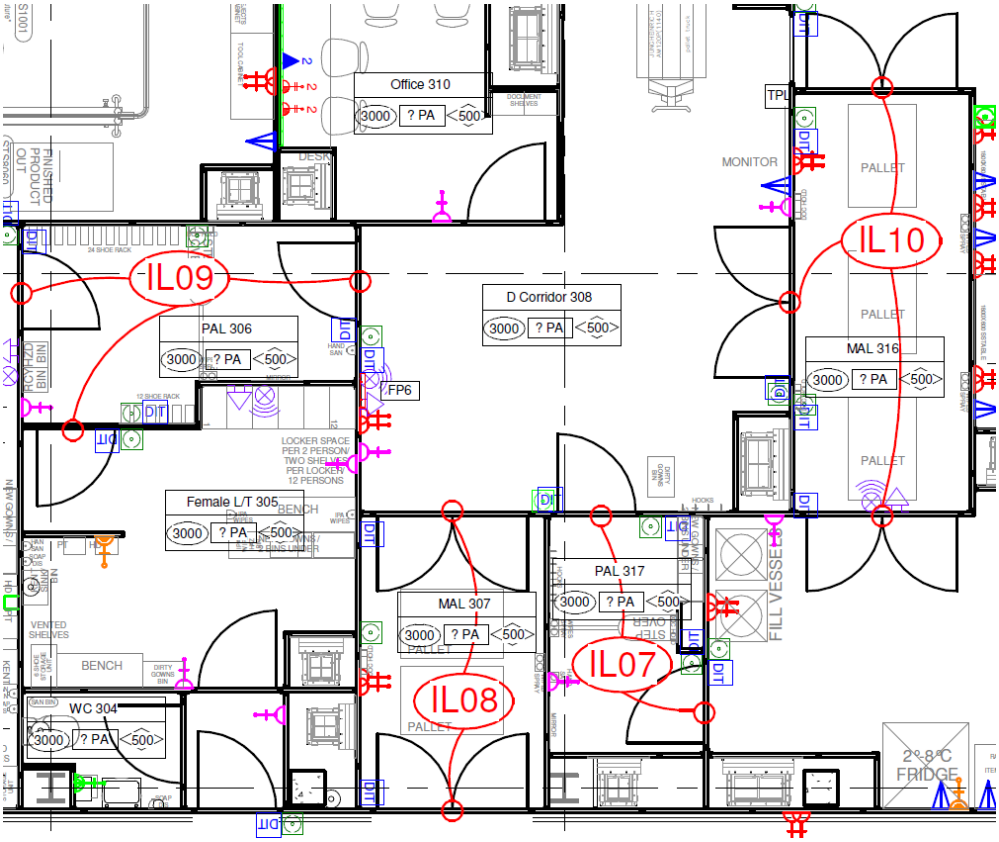
ACIL11 is the most powerful interlock controller on the market, and it represents a considerable return for the investment involved. It is also the most future-proof version, thanks to the three auxiliary outputs which can be configured to give remote door status, automatic door automation interfaces, and MODbus command to the BMS system, among other options. And the auxiliary connections don't stop there—the control panel can also accept auxiliary connections from devices such as Card Reader, Remote Emergency, Emergency Reset, Privacy Push Button among other inputs. Plus, the control panel has extra items, such as a door open alarm which is activated after a programmable length of time.

Call us:
1890 274 273

Visit us:
Unit C Purcellsinch Industrial Estate,
Old Dublin Road, Kilkenny, R95 EH52

Email / Website:
admin@actec.ie
www.actec.ie

Interlocks / Door Hardware / Activation / Safety Devices



Technical Specifications:

Power:	230Vac / 24Vdc
Max Current Consumption:	2A/5A @ 24Vdc depending on managed doors
Traffic light Output:	100mA @ 24Vdc
Lock Output:	1.5A @ 24Vdc
No. of Doors Controlled:	2 to 8 doors
Control Panel Dimensions:	342 x 253 x 129mm (2dr) 460 x 380 x 160mm (8dr)
Enclosure Construction:	Plastic (halogen free material)
Working Temperature:	-5° to + 50° C
Certifications:	2004/108/EC—EN61000-6-2 (2005) EN61000-6-3 (2007) & A1 (2011)
Inputs:	Plug or Wire Connection Door Status Remote Door Unlocking Card Reader Privacy Button, etc.
Outputs:	Locks / Indicators Door Automation Operator BMS Connection Remote Emergency Fan/Shower control

Benefits of using ACIL11

Powerful controls

Wide variety of configurations using the programming tool

Suitable for a wide variety of interlocking applications

Easy to install thanks to plug and play connections

Wide selection of auxiliary inputs and outputs allowing system to connect to almost any device that could be required.

Contact us for more information

Traffic Lights / Activation

ACIL12 / ACIL13 / ACIL14

ACTEC
INTERLOCKING & DOOR AUTOMATION SOLUTIONS

Offering a wide variety of uses, our touchless sensors and traffic lights give flexible solutions for class-leading cleanliness.

Maximum Reliability

As each and every unit is tested prior to leaving the factory, you can rest assured that you are receiving the best possible unit which will continue to operate without issue for the maximum amount of time possible.

Ease of Installation

With 3 options available to order, depending on the exact requirements, each unit can be installed and terminated as speedily as possible (thanks to the built in RJ45 socket). The installer or service technician simply needs to plug in the unit and it's working straight away. And with the specifically designed microprocessor based touchless "eye", your doors can be unlocked and opened with no risk of cross contamination.

The special software on the sensor allows it to dynamically calibrate to the external environment, thereby adjusting the sensitivity of the sensor to any changes in the surrounding environment. This makes sure that the activation signals from the sensor are safe and reliable.

Main Features

Available in 3 models:

ACIL12 comes with red and green traffic lights as well as touchless sensor and is used on interlocked doors to avoid contamination.

ACIL13 comes with just the red and green traffic lights and no touchless sensor. This would typically be installed in a normally open interlock configuration, or adjacent to a swipe card reader on a normally locked interlocked door.

ACIL14 comes with the touchless sensor only and no red or green indicators. This could be installed on a locked door that is not interlocked.

Call us:
1890 274 273

Visit us:
Unit C Purcellsinch Industrial Estate,
Old Dublin Road, Kilkenny, R95 EH52

Email / Website:
admin@actec.ie
www.actec.ie

Technical Specifications:	
Power:	12Vdc to 24Vdc
Max Current Consumption:	50mA @ 24Vdc
Mechanical Characteristics:	Anodized Aluminium front cover with 1mm self-adhesive label
IP Protection:	IP65 (from front)
Dimensions:	79mm x 139mm x 33.8mm deep
Output:	Relay—Com / N.Open
Max switching current:	2A
Nominal switching voltage:	30Vdc
Detection Distance:	10—50mm, self adjusted sensitivity
Buzzer:	80dB in open air
Connections:	Double RJ45 and screw terminal block

Accessories

ACIL12— Red / Green traffic lights, touchless sensor

ACIL13— Red / Green traffic lights only

ACIL14— Touchless sensor only

ACIL20— Floor mounted Stainless Steel Bollard (as shown above), 1m from floor level to top of bollard

Smart Modular Environmental Controls - ACIL30

ACTEC
INTERLOCKING & DOOR AUTOMATION SOLUTIONS

ACIL30 is an innovative modular and scalable system, based on Industry 4.0 technology to create smart and tailored environmental controls in the industrial domain.

Modular Operation

The system is composed of small intelligent modules individually designed for a specific function. Each module operates independently and can be interconnected with other modules via TCP/IP or Wifi, thus creating complex and interconnected systems. The module working parameters an be set using a mobile device equipped with a dedicated App. The modules can be connected directly to a BMS system or to a dedicated “Core”, a server unit equipped with a special webapp which operates as the “system manager”.

Main Features

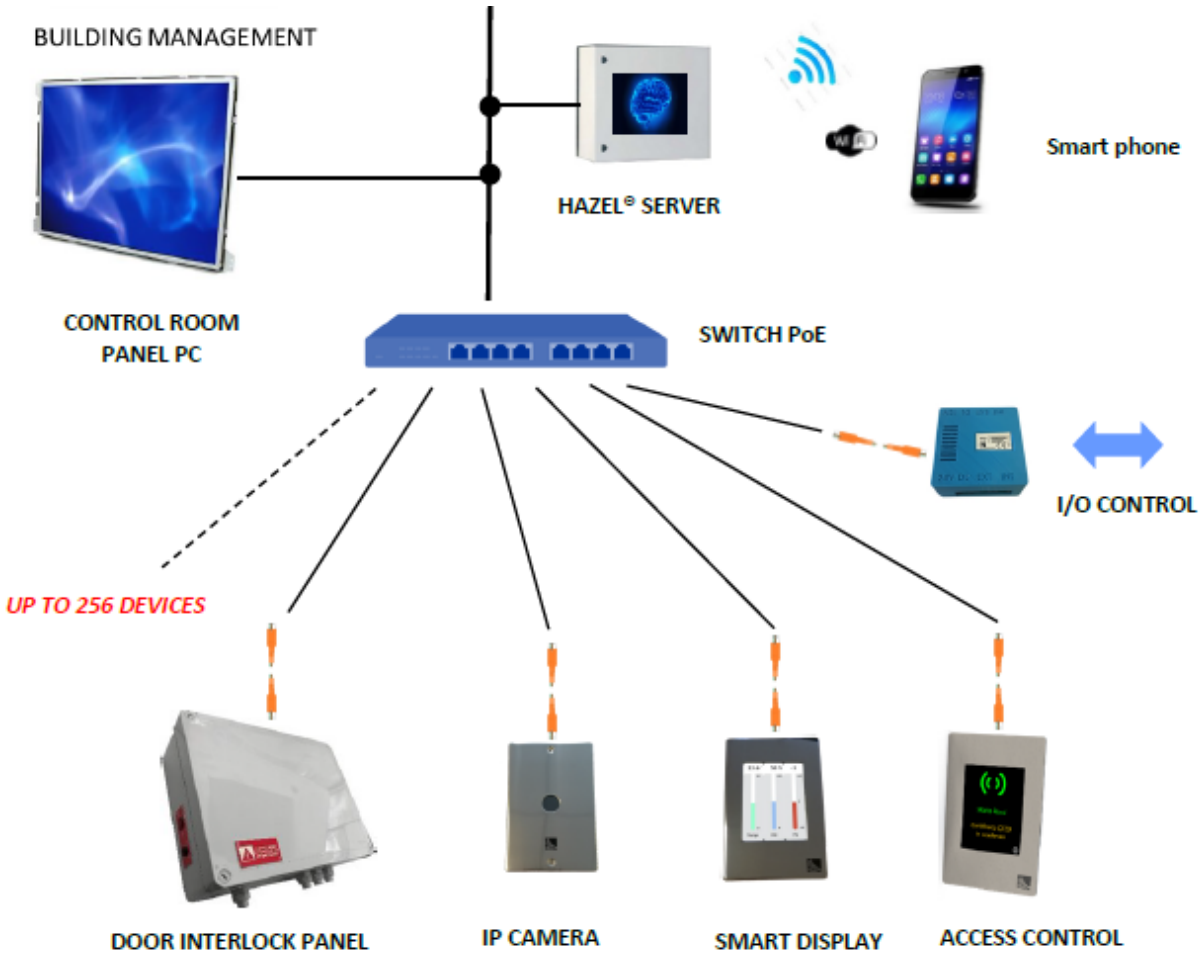
The system can be integrated with common building systems to create a smart way to log data from S.C.A.D.A systems, store data on environmental parameters, store data to cloud based devices for remote access and feed real-time data to web applications. Applications include the remote control of doors, personnel access, environmental parameters, control of lights and monitoring of energy consumption, access to CCTV and any form of alarm which may be required in the building.

All of this works to provide a reduction in installation, management and maintenance costs which can often be hidden expenses.

Call us:
1890 274 273

Visit us:
Unit C Purcellsinch Industrial Estate,
Old Dublin Road, Kilkenny, R95 EH52

Email / Website:
admin@actec.ie
www.actec.ie



System Components

CORE CONTROLLER—A Microprocessor server unit designed to manage all ACIL30 compatible devices. The unit provides TCP and WIFI data connectivity and can be interfaced with BMS.

INTERLOCKING PANEL—The interlock control panel can manage from 1 to 8 interlocked doors. All the setup facilities such as door settings, interlocking rules, timers, etc can be configured using the dedicated software tool. The panel can be connected to the core controller and configured using mobile devices.

EVENT LOG—A software tool specifically designed to download and show, in real time, all the events stored in the interlock control panel. Data can be exported in CSV and PDF format.

MULTIGATES—A web based access control software specifically designed for cleanroom applications.

Touch screen LED displays, Access control readers, wall mounted digital cameras and I/O panels are also available.

PLC Interlock Controls

ACIL50

ACTEC
INTERLOCKING & DOOR AUTOMATION SOLUTIONS

Fully customisable PLC control panel with capability to interconnect with any site specific interfaces and auxiliary equipment to create complete interlocking solution.

Fully Expandable

With the modular interlock controls based on Siemens standard programmable hardware, each control panel can be expanded to control a large number of doors, depending on the exact customer requirements.

Intelligent Interfaces

With the capability of interfacing with BMS systems on site, each control panel can be programmed to provide a wide range of outputs so that the maintenance department always has the full knowledge of what the interlock doors are doing. This includes all various alarm states, such as 2 doors open at the same time, a door being held open for an unacceptably long period of time, a door forced open without the access control system being activated, etc. The ACIL50 can also be connected to the site Access Control system to provide information on the usage of the doors in the controlled environment.

Numerous Configurations

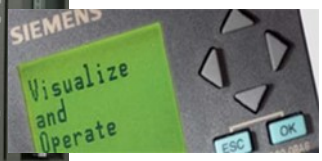
As all software is programmed, tested, commissioned and verified by Actec, any combination of doors and interlock operation is possible, ranging from very simple 2 door material airlocks up to multi-door, multi-rule cascading personnel airlocks with privacy buttons on certain doors, swipe card readers, audible alarms, door automations and so on. Plus, the ACIL50 can be configured to interface with a site specific piece of equipment to prevent a door from operating if a particular machine is working, or stopping the machine if someone passes into the area through the interlocked door.

Call us:
1890 274 273

Visit us:
Unit C Purcellsinch Industrial Estate,
Old Dublin Road, Kilkenny, R95 EH52

Email / Website:
admin@actec.ie
www.actec.ie

Interlocks / Door Hardware / Activation / Safety Devices



Technical Specifications:

Power:	230Vac / 24Vdc (12Vdc only on demand)
Max Current Consumption:	1A @ 230Vac
Traffic light Output:	250mA @ 24Vdc per door
Lock Output:	1A @ 24Vdc per door
No. of Doors Controlled:	2 to 20 doors
Control Panel Dimensions:	600 x 600 x 200mm typically
Enclosure Construction:	Powder Coated Steel
Working Temperature:	-5° to + 50° C
Ingress Protection:	IP65 Typically
Inputs:	Hard Wired Connection Door Status Activation Privacy Button Access Control Auxiliary Equipment
Outputs:	Locks Indicators Door Automation Interface BMS System Auxiliary Equipment

Benefits of using ACIL50

Very robust assembly

Ease of troubleshooting and expansion at post-installation stage

Easy to follow, comprehensive wiring diagrams

Hard wired connections allow for easy addition of extra hardware

Multiple interlocks can be grouped into one control panel, thereby reducing the cost per interlock system

Large number of doors can be controlled easily

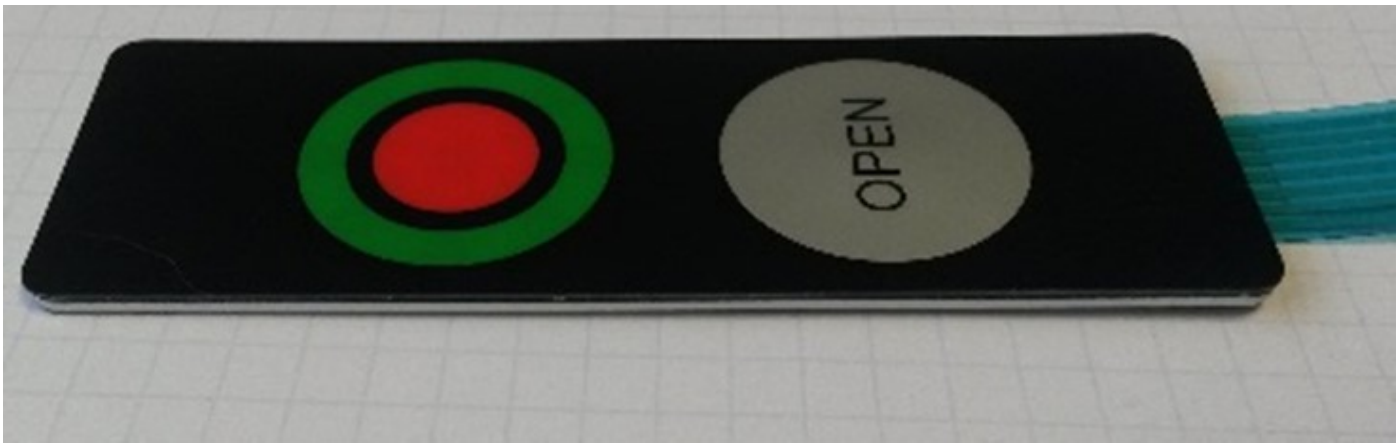
Comprehensive connections to client equipment

Contact us for more information

Push Button & Traffic Lights

ACIL60 / ACIL61

ACTEC
INTERLOCKING & DOOR AUTOMATION SOLUTIONS



Low profile aluminium plate with integrated red and green LED's, available with or without built in push button, the ACIL60 / ACIL61 are the ideal choice for unrestricted access in a controlled environment.

Compact Design

With the robust construction of aluminium backplate and a hard wearing Polyester front face with built-in tactile push button, the ACIL60 and ACIL61 have a incredibly slim profiles, protruding from the face of the surrounding wall or door frame by just over 1mm.

Ultra-clean

The unique Autotex polyester film on the front face of the unit consists of a base polyester and a flexible chemically bonded, UV-cured textured coating. This gives the front face an incredible level of chemical, alcohol and chemical resistance plus excellent scratch resistance.

Plus, the push button is a tactile dome installed within the unit which means there is nowhere for an ingress of liquid or chemicals, unlike most other push-buttons on the market.

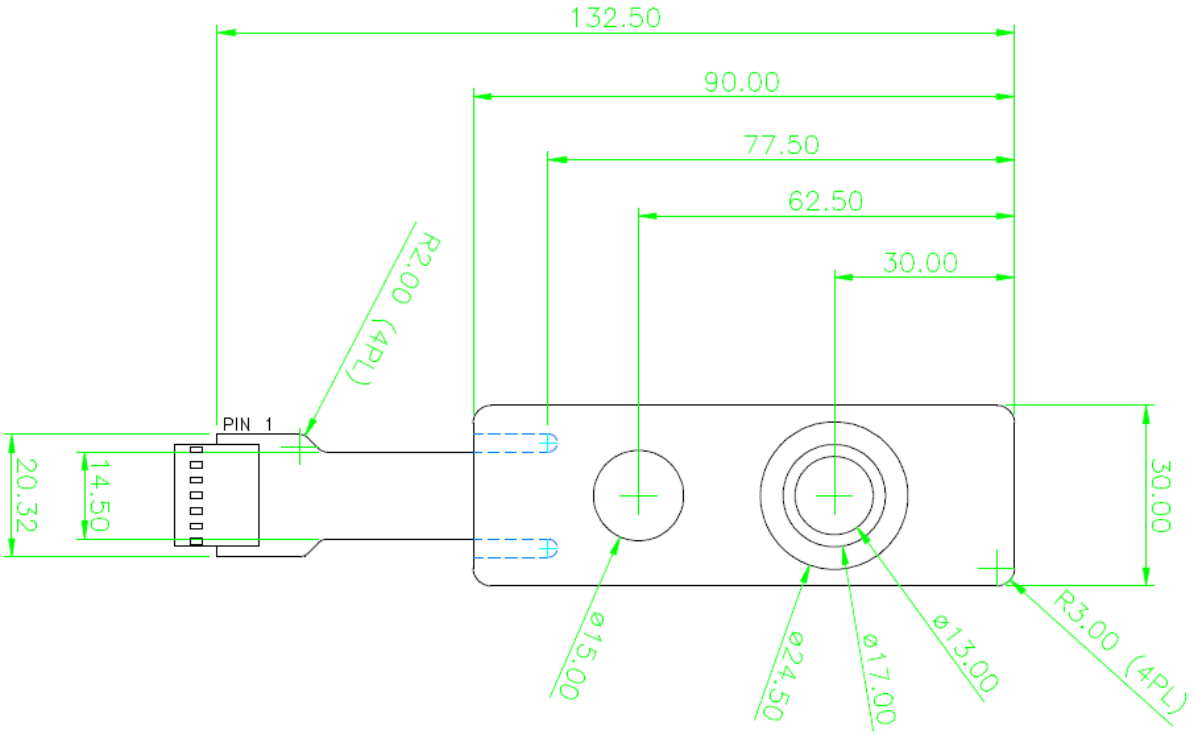
Various Configurations

There are two options available. Each unit comes with a circle of 8 integrated Red LED's, plus an outer circle of 8 integrated Green LED's. The unit can be ordered with an integrated push button (ACIL60) which can be used to release a lock, to request a door to unlock, or to activate an automation, or it can be ordered without a push button (ACIL61) which can be used as a visual display of the status of a door and is typically installed adjacent to a swipe card reader. The push button gives a volt-free output, suitable for connection to any type of auxiliary equipment, and the LED's are factory fitted with internal current limiting resistors which allow the indicators to be illuminated with either 12Vdc or 24Vdc.

Call us:
1890 274 273

Visit us:
Unit C Purcellsinch Industrial Estate,
Old Dublin Road, Kilkenny, R95 EH52

Email / Website:
admin@actec.ie
www.actec.ie



Technical Specifications:	
Indicator Power:	24Vdc / 12Vdc
Push Button:	Volt-free Normally-open contact
Push Button Assembly:	12.2mm dia S/S dome
Dimensions:	90 x 30 x 1.5 mm
Indicators:	8 No. Red LED's 8 No. Green LED's
Working Temperature:	-5° to + 50° C
Chemical Resistance:	Resistant to: Alcohols Dilute Acids Dilute Alkalis Esters Hydrocarbons Ketones Household Cleaning Agents Test Method: DIN 42 115
Connections:	Inline PCB with screw terminals on rear-mounted tail
Installation:	Screw fixings through front face or

Options Available

ACIL60—8 Red LED's, 8 Green LED's, integrated push button

ACIL61—8 Red LED's, 8 Green LED's, no integrated push button

Door Leaf Safety Sensors

ACIL80 / ACIL81

ACTEC
INTERLOCKING & DOOR AUTOMATION SOLUTIONS

The ACIL80 and ACIL81 door leaf mounted safety sensors are failsafe active infrared sensors which function by measuring the distance to any obstacle. They are used on automatic swing doors to prevent doors coming into contact with the users.

High Level of Safety

With a maximum detection area of 40cm wide in front of the door leaf at 2 metres high, the sensors can easily detect obstacles across the entire width of the door leaf, and they can be easily installed on both the push and pull side of the door leaf, and the three dimensional protection area makes it particularly suitable for protecting people with disabilities.

Expandable

The ACIL80 and ACIL81 can easily be daisy chained across up to 6 modules to cover the entire door width, regardless of the width of the door in question. Each module recognises when it is part of a daisy-chain and it automatically adjusts its settings accordingly. The advanced design of the hardware and software allows the sensor to easily adapt to all floor types, even ones with high-contrast which would trick other sensors into thinking that an obstacle is present. Examples of this would include highly reflective surfaces such as stainless steel plate, metal grids, water puddles, wet floors, washed vinyl, snow-covered ground, etc.

Ease of Maintenance

Pressing the built in push button once is enough to adjust the sensor for the standard installation heights, and more advanced fine tuning is possible by using the integrated DIP-switches located under the cover. The safety sensor is available in a number of different lengths, including a 350mm long model (ACIL80), usually used on the face opposite the motor, and a 1200mm long model (ACIL81) which can be cut down to fit the motor side of the door.

Call us:
1890 274 273

Visit us:
Unit C Purcellsinch Industrial Estate,
Old Dublin Road, Kilkenny, R95 EH52

Email / Website:
admin@actec.ie
www.actec.ie

Technical Specifications:	
Supply Voltage:	12-24Vac +/- 10% 12-30Vdc –5%/+10%
Reaction Time:	64ms (typical)
Number of beams:	4
Technology:	Active Infrared with background suppression
Mounting Height:	1.1m to 3m (according to floor reflectivity)
Dimensions:	43.5mm H x 47.5mm D x 350mm (ACIL80) 43.5mm H x 47.5mm D x 1200mm (ACIL81)
Material:	ABS Lens Aluminium Powdercoated Body (Black)
Ingress Protection:	IP53
Temperature Range:	- 25° to + 55° C
Cable Routing to Automation:	Typically via pvc flexible conduit

Accessories

Spotfinder—Used where very accurate protection is required

Rain Cover—For protection of the sensor on the outside of an external door

Fire Door Adapter—For full compliance with certain fire regulations

Multisensor hub—To connect many sensors on the same door without daisy-chaining

Rerofit Interface—When connecting the sensor to an automation that doesn't support the full features or connection style of the sensors

Notes

Call us:

1890 274 273

Visit us:

Unit C Purcellsinch Industrial Estate,

Old Dublin Road, Kilkenny, R95 EH52

Email / Website:

admin@actec.ie

www.actec.ie

Notes

High Speed Rigid Door
ACRD10

ACTEC
INTERLOCKING & DOOR AUTOMATION SOLUTIONS



The ACRD10 is a fast aluminium door that enhances security by minimizing downtime. Its high-strength panels are designed to be quick and easy to replace in the event of damage. Its unique disc drive technology uses fewer moving parts, reducing wear and ensuring maximum reliability.

High Speed / Low Profile

High speed is important where productivity is vital as it increases traffic flow and reduces energy costs (through reduced air and heat loss). The standard ACRD10 has an opening and closing speed of a massive 2.4m per second. The low-profile version of the ACRD10 has a reduced headroom of just 600mm so is ideal for retrofit into tight spaces.

Safety

A light curtain built into the side frames can detect the presence of an obstruction and reverse the door. A wireless sensor on the bottom edge of the door automatically stops and reverses the door is it detects an obstacle. The door is also controlled by a very accurate encoder system (rather than the standard limit switch configuration) which means that the advanced control panel knows exactly where the door is at all times.

Ease of Maintenance

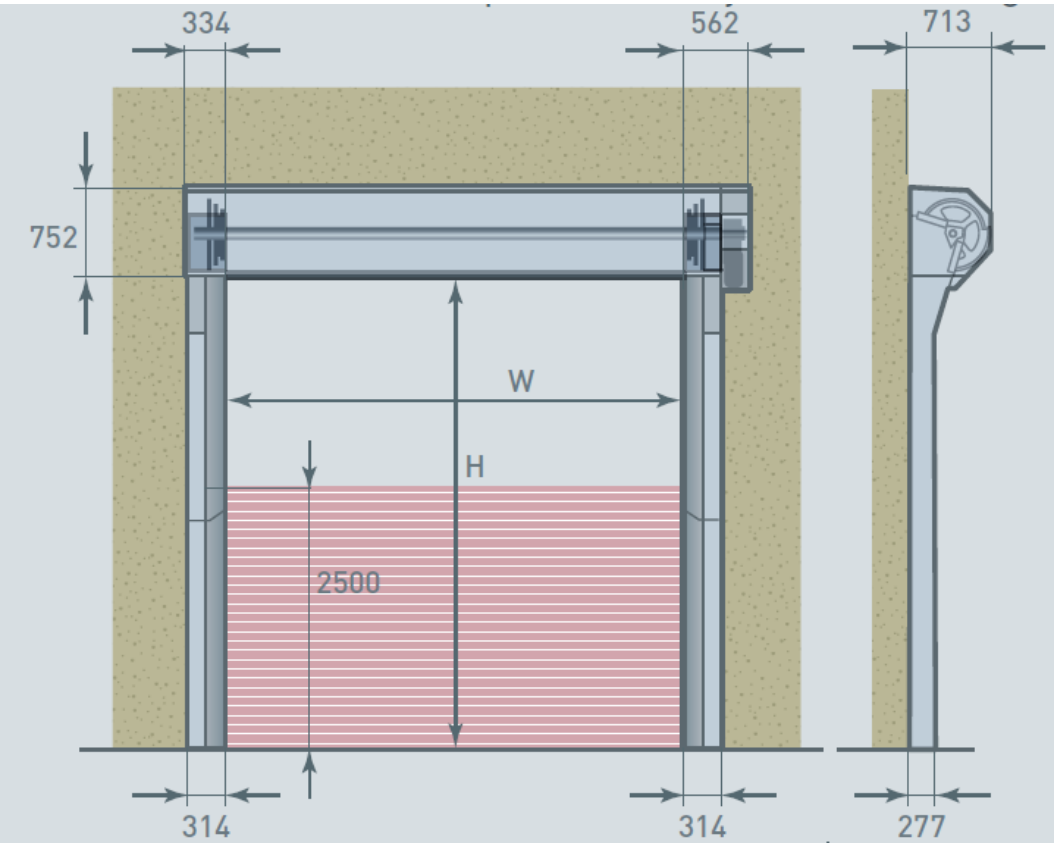
Highly engineered side frames prevent air, water, dust, pests and other contaminates from entering your controlled environment when the door is closed. Reinforced, high strength aluminium slats provide the ultimate in security and if impacted, individual slats can be replaced in less than 15 minutes, thereby reducing expensive downtime. The unique drive system has minimal moving parts which ensures greater reliability. The individual components are simple to troubleshoot and cost-effective to replace, ensuring a long operational life with minimal downtime.

Call us:
1890 274 273

Visit us:
Unit C Purcellsinch Industrial Estate,
Old Dublin Road, Kilkenny, R95 EH52

Email / Website:
admin@actec.ie
www.actec.ie

High Speed Doors



Technical Specifications:

Min Dimensions:	W: 1220mm H: 2440mm
Max Dimensions:	W: 5180mm H: 4875mm
Opening / Closing Speed:	2400 mm/second (closing limited to 600mm/second for safety per EN16005
Structure:	Galvanised Steel (optional Powder Coating)
Door Blades:	Double wall aluminium slats Optional window slats
Power Supply:	230Vac—20A Single Phase or Three Phase Frequency: 50-60Hz
Bottom Edge detector:	Wireless pressure sensor with receiver in door head
Thermal Insulation Coefficient:	4W/m^{2}K (slat)

Compliant Standards

Water permeability: EN12425 / EN12489 Result: Class 1

Wind Load: EN12424 / EN12444 Result: Class 3/4 (depending on door width)

Wind Permeability: EN12426 / AN12427 Result: Class 2

Safe Openings: EN12453 / EN12445 Result: Pass

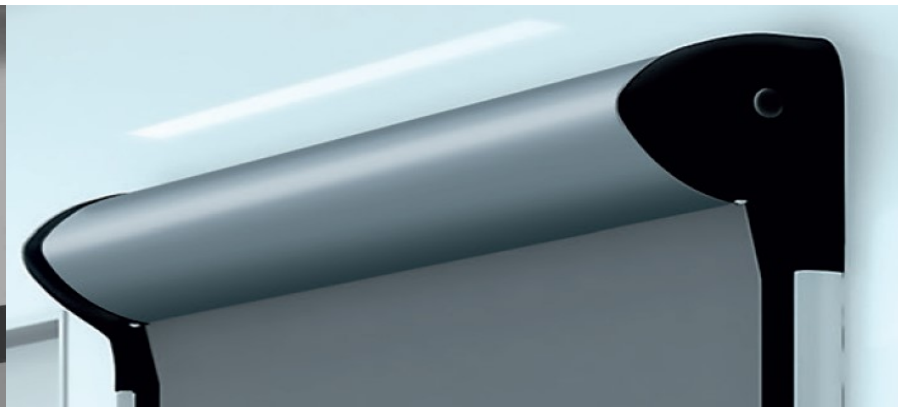
Mechanical Resistance: EN12604 / EN12605 Result: Pass

Unintended movements: EN12604 / EN12605 Result: Pass

Contact us for more information

High Speed Cleanroom Door - ACRD20

ACTEC
INTERLOCKING & DOOR AUTOMATION SOLUTIONS



The ACRD20 is a controlled environment compatible high speed door with limited air leakage. It's the ideal choice for airlocks between rooms of different air pressure profiles. The perfect sealing properties of the door provide excellent environmental control while reducing energy usage through elimination of air loss.

Slim Design, Perfect Seal

With its modern design, the ACRD20 is the slimmest high-speed cleanroom door on the market. The patented "LF" (Low Friction" technology, combined with a frequency inverter driven motor, assures a smooth operation. The patented side guides and "Bead" technology limit the air leakage far better than other designs and protect your installations against air loss, dust and dirt, meaning that the ACRD20 is suitable for a wide variety of applications.

Safety

User safety is of vital importance when installing a high speed door, and the design of the ACRD20 cleanroom door uses a flexible curtain with no rigid elements, thereby reducing an potential injury risk. Coupled with the wireless detector built into the bottom edge of the door, the door will reopen if it meets an obstacle during the closing cycle. Plus, the addition of the safety beam located 300mm from floor level should eliminate the risk of the door closing.

Ease of Maintenance

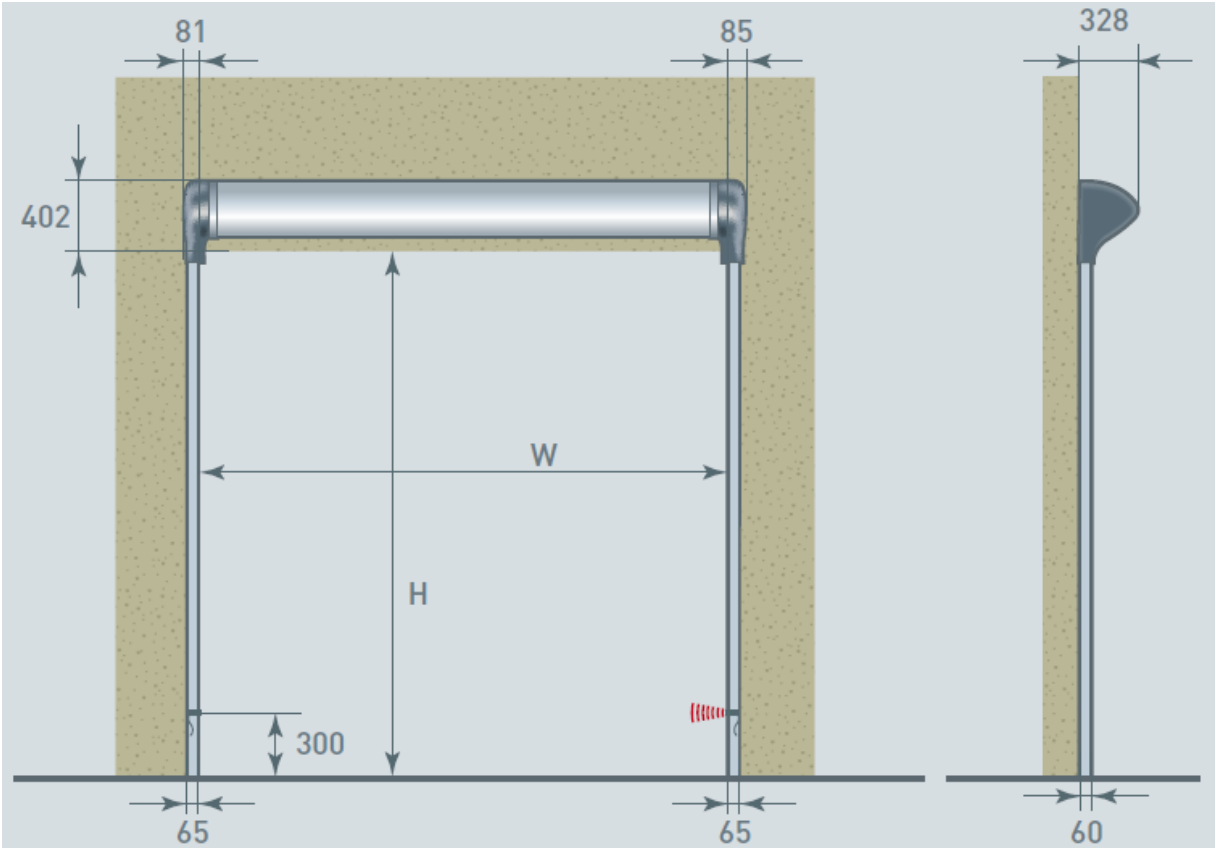
The vertical edges of the door fit into a vertical slot to minimise air leakage. Upon impact, the edges of the door will pop out of the slots allowing emergency exit. On the next activation, the door will self-repair and will return to normal operation without any maintenance technician intervention, meaning no repair costs and no downtime. Plus, the low friction technology utilised in the door means that the amount of wear and tear is minimised.

Call us:
1890 274 273

Visit us:
Unit C Purcellsinch Industrial Estate,
Old Dublin Road, Kilkenny, R95 EH52

Email / Website:
admin@actec.ie
www.actec.ie

High Speed Doors



Technical Specifications:

Max Dimensions:	W: 4000mm H: 4000mm
Opening / Closing Speed:	2700 mm/second (closing limited to 500mm/second for safety per EN16005
Structure:	Galvanised Steel Structure (optional S/S or Powder Coating)
	Synthetic material cover
Temperature Range:	+ 5° to + 40° C
Power Supply:	230Vac—18A Single Phase Frequency: 50-60Hz
Bottom Edge detector:	Wireless pressure sensor with receiver in door head
Thermal Transmittance:	6.02W/m^{2}K
Drum:	200mm dia. PVC 3.9mm thickness

Compliant Standards

Water permeability: EN12425 / EN12489 Result: Class 3

Wind Load: EN12424 / EN12444 Result: Class 1 (depending on door width)

Wind Permeability: EN12426 / AN12427 Result: Class 3/4

Safe Openings: EN12453 / EN12445 Result: Pass

Mechanical Resistance: EN12604 / EN12605 Result: Pass

Unintended movements: EN12604 / EN12605 Result: Pass

Performed Cycles: EN12604 / EN12605: 1,000,000 Cycles

Alternatives

ACRD21 High Speed Cleanroom Door with deeper overhead canopy and slower opening speed - more economical installation where lower specification is acceptable.

Contact us for more information

High Speed Freezer Door ACRD30

ACTEC
INTERLOCKING & DOOR AUTOMATION SOLUTIONS

The ACRD40 High Speed Freezer Door is specially designed for freezer applications. High operating speed and excellent seal allow efficient traffic flow while minimizing temperature variations.

High Thermal Resistance

Optionally, an insulated curtain is available for additional savings on energy cost while also reducing condensation and frost. It forms an extra barrier between warm outside temperatures and cold inside temperatures. And the absence of rigid elements in the curtain and the soft bottom edge make the ACRD40 freezer door intrinsically safe. Plus, the patented side frame assembly means that the door can seal the freezer without requiring either a blade or a brush system. The ACRD40 is suitable for a wide range of applications, including Cleanroom, Healthcare, Laboratory, Food Preparation and Controlled environments.

Safety

The ACRD40 is safe for people, products and vehicles, and as it is free of rigid parts it avoids injuries and damage.

Low Maintenance

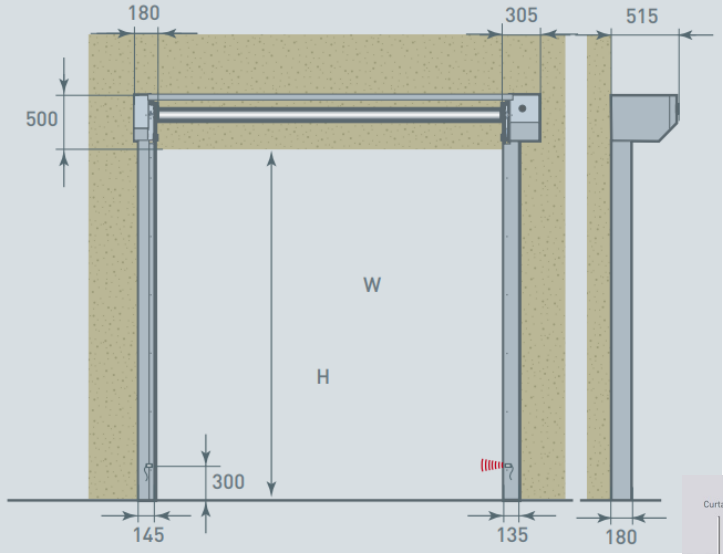
Low consumption electric heating cables in the side posts of this high speed freezer door reduce frost and avoid downtime. Combined with the self-repairing self-inserting door curtain this guarantees a long lifetime of the roll up door. It also cuts the running costs of your freezer room by operating with automatic and fast door cycles. The tight seal helps with this too as it reduces the transfer of air between warm and cold areas. The use of a frequency driven motor and encoder ensures that the door operates as smoothly as possible, and wearable elements are reduced to a minimum.

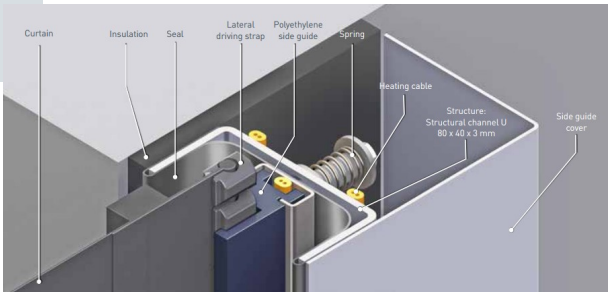
Call us:
1890 274 273

Visit us:
Unit C Purcellsinch Industrial Estate,
Old Dublin Road, Kilkenny, R95 EH52

Email / Website:
admin@actec.ie
www.actec.ie

High Speed Doors





Technical Specifications:

Max Dimensions:	W: 4000mm H: 5500mm
Opening / Closing Speed (Standard Curtain):	2400 mm/second opening 1200 mm/second closing
Opening / Closing Speed (Insulated Curtain):	1200 mm/second opening 1200 mm/second closing
Structure:	Galvanised Steel Structure (optional S/S or Powder Coating)
Temperature Range:	- 30° to + 5° C
Power Supply:	230Vac—23A Single Phase Frequency: 50-60Hz
Safety:	Wireless pressure sensor with receiver in door head Infrared beam 300mm from floor
Drum:	102mm dia. Steel 2mm thickness

Thermal Transmittance: 6.02W/m^{2}K

Compliant Standards

Water permeability: EN12425 / EN12489 Result: Class 1

Wind Load: EN12424 / EN12444 Result: Class 1

Wind Permeability: EN12426 / AN12427 Result: Class 1 (depending on door dimensions)

Safe Openings: EN12453 / EN12445 Result: Pass

Mechanical Resistance: EN12604 / EN12605 Result: Pass

Unintended movements: EN12604 / EN12605 Result: Pass

Performed Cycles: EN12604 / EN12605: 1,000,000 Cycles

Contact us for more information

High Speed ATEX Door
ACRD40

ACTEC
INTERLOCKING & DOOR AUTOMATION SOLUTIONS

The ACRD40 High Speed ATEX Door is specifically designed for outside applications in explosive sensitive environments and is officially approved by Apragaz notified body for use in potentially explosive atmospheres.

Perfect Sealing

All metal parts are stainless steel while non-metallic parts are composed of antistatic or electrical conductive materials, thus avoiding the build up of static electricity that could generate sparks. Operating speed and perfect sealing properties improve your traffic flows and provide employee comfort, environmental control and savings on energy costs.

Wind Resistant

With the Patented side frame assembly, wind load tests have been able to achieve class 3 in controlled testing.

Low Maintenance

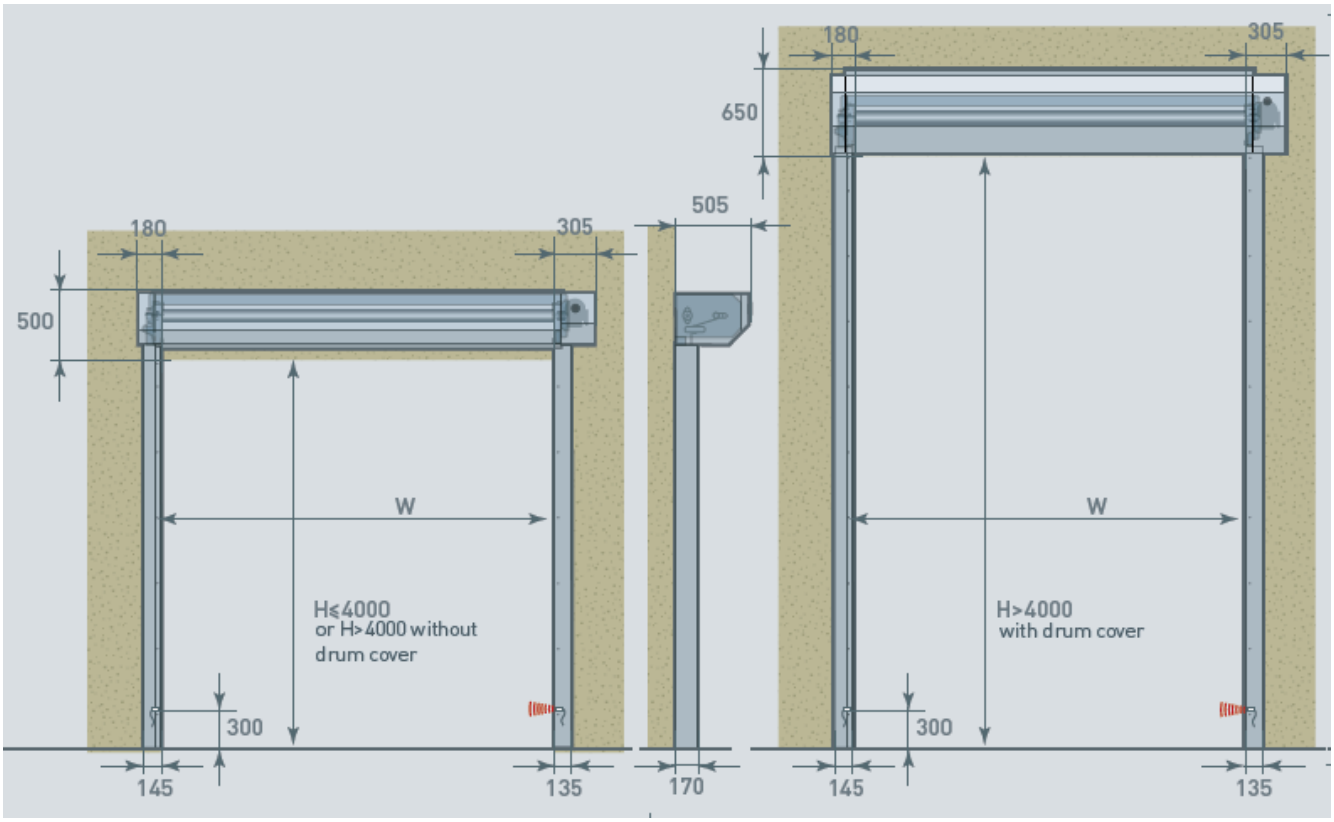
Fully self-reinserting, the ACRD40 Atex rated High Speed door will automatically reinsert itself in its side guides when the curtain is accidentally hit. This means that there are no repair costs, no prolonged exposure to the external elements and no production downtime. Plus a maximum level of user safety is achieved by manufacturing the door with a flexible curtain and no rigid elements—again helping with keeping the repair costs to a minimum. The frequency driven motor and encoder ensure smooth operation at all times and wearable elements of the construction are kept to a minimum. The advanced door control panel is very user-friendly with extensive self-diagnosis programming. This control panel must be installed outside of the hazardous area. Safety is provided via an infrared barrier 300mm from floor level, and bottom edge detection is carried out via an intrinsic safety barrier.

Call us:
1890 274 273

Visit us:
Unit C Purcellsinch Industrial Estate,
Old Dublin Road, Kilkenny, R95 EH52

Email / Website:
admin@actec.ie
www.actec.ie

High Speed Doors



Technical Specifications:

Max Dimensions:	W: 5500mm H: 5500mm
Opening / Closing Speed	1000 mm/second opening 1000 mm/second closing
Drum:	102mm dia. Steel 1.2mm thickness
Structure:	Stainless Steel Frame
Temperature Range:	–10°C to 45°C
Power Supply:	230V—18A Single Phase 50-60 Hz
Safety:	Wireless pressure sensor with receiver in door head Infrared beam 300mm from floor
Thermal Transmittance:	6.02W/m^{2}K

Compliant Standards

Conform to EN13241-1

Conform to Directive 2014/34/EU
Ex II 3 G/D
Ex h IIC T6 EPL Gb
Ex h IIC 85°C EPL Db
Ex db mc ia e IIC T4 EPL Gc
Ex tb mc tD IIIB 135°C EPL Dc
CE 0029 APRAGAZ 16ATEX 0150X/1

Water permeability: EN12425 / EN12489 Result: Class 2

Wind Load: EN12424 / EN12444 Result: Class 3
(depending on door dimensions)

Wind Permeability: EN12426 / AN12427 Result: Class 1
(depending on door dimensions)

Safe Openings: EN12453 / EN12445 Result: Pass

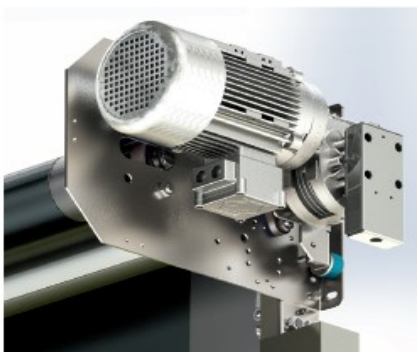
Mechanical Resistance: EN12604 / EN12605 Result: Pass

Unintended movements: EN12604 / EN12605 Result: Pass

Contact us for more information

High Speed ATEX Door ACRD50

ACTEC
INTERLOCKING & DOOR AUTOMATION SOLUTIONS



The ACRD50 High Speed ATEX Door is specifically designed for inside applications in explosive sensitive environments and is officially approved by Apragaz notified body for use in potentially explosive atmospheres.

Perfect Sealing

All metal parts are stainless steel while non-metallic parts are composed of antistatic or electrical conductive materials, thus avoiding the build up of static electricity that could generate sparks. Operating speed and perfect sealing properties improve your traffic flows and provide employee comfort, environmental control and savings on energy costs.

Wind Resistant

With the Patented side frame assembly, wind load tests have been able to achieve class 1 in controlled testing.

Low Maintenance

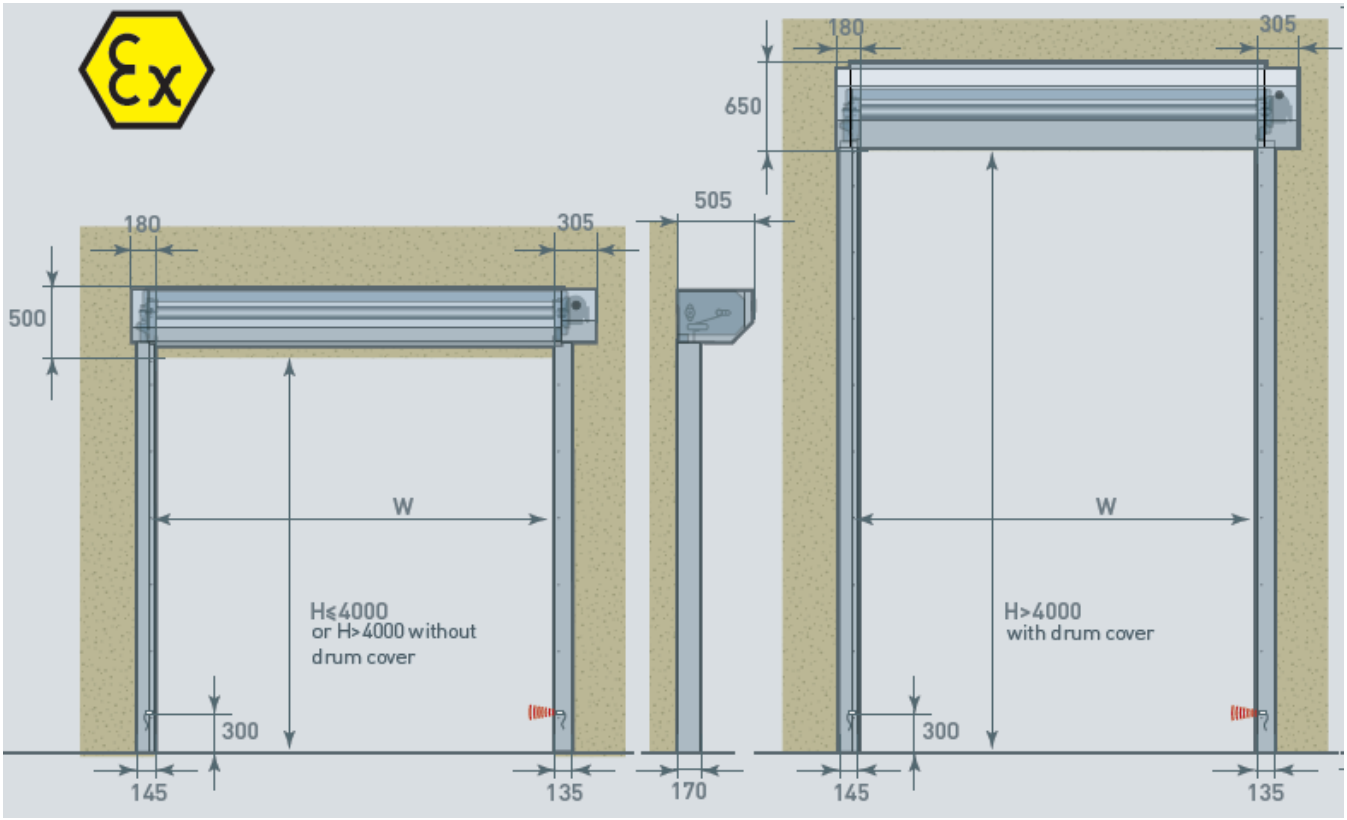
Fully self-reinserting, the ACRD50 Atex rated High Speed door will automatically reinsert itself in its side guides when the curtain is accidentally hit. This means that there are no repair costs, no prolonged hold open times and no production downtime. Plus a maximum level of user safety is achieved by manufacturing the door with a flexible curtain and no rigid elements—again helping with keeping the repair costs to a minimum. The frequency driven motor and encoder ensure smooth operation at all times and wearable elements of the construction are kept to a minimum. The advanced door control panel is very user-friendly with extensive self-diagnosis programming. This control panel must be installed outside of the hazardous area. Safety is provided via an infrared barrier 300mm from floor level, and bottom edge detection is carried out via an intrinsic safety barrier.

Call us:
1890 274 273

Visit us:
Unit C Purcellsinch Industrial Estate,
Old Dublin Road, Kilkenny, R95 EH52

Email / Website:
admin@actec.ie
www.actec.ie

High Speed Doors



Technical Specifications:

Max Dimensions:	W: 5500mm H: 5500mm
Opening / Closing Speed	1000 mm/second opening 1000 mm/second closing
Drum:	102mm dia. Steel 1.2mm thickness
Structure:	Stainless Steel Frame
Temperature Range:	–10°C to 45°C
Power Supply:	230V—18A Single Phase 50-60 Hz
Safety:	Wireless pressure sensor with receiver in door head Infrared beam 300mm from floor
Thermal Transmittance:	6.02W/m^{2}K

Compliant Standards

Conform to EN13241-1

Conform to Directive 2014/34/EU
Ex II 3 G/D
Ex h IIC T6 EPL Gb
Ex h IIC 85°C EPL Db
Ex db mc ia e IIC T4 EPL Gc
Ex tb mc tD IIIB 135°C EPL Dc
CE 0029 APRAGAZ 16ATEX 0150X/1

Water permeability: EN12425 / EN12489 Result: Class 1

Wind Load: EN12424 / EN12444 Result: Class 1
(depending on door dimensions)

Wind Permeability: EN12426 / AN12427 Result: Class 1
(depending on door dimensions)

Safe Openings: EN12453 / EN12445 Result: Pass

Mechanical Resistance: EN12604 / EN12605 Result: Pass

Unintended movements: EN12604 / EN12605 Result: Pass

Contact us for more information

Notes

Call us:

1890 274 273

Visit us:

Unit C Purcellsinch Industrial Estate,

Old Dublin Road, Kilkenny, R95 EH52

Email / Website:

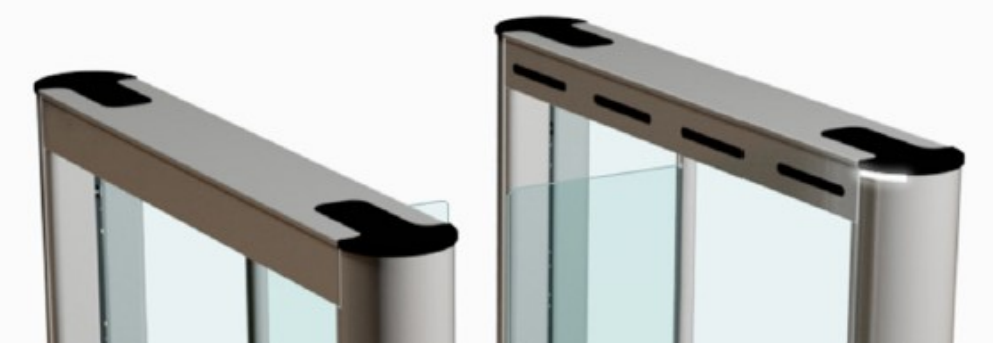
admin@actec.ie

www.actec.ie

Notes

Pedestrian Turnstile
ACTS10

ACTEC
INTERLOCKING & DOOR AUTOMATION SOLUTIONS



The ACTS10 with Ethernet connectivity has been designed to provide an aesthetic solution for entrance control for various market sectors and to meet the requirements of the UL2593 standard.

Secure Access Control

The ACTS10 includes the latest in electronic processing, providing remote control and diagnostics via a standard web browser. ACTS10 retains all of the proven features from this established range of turnstiles including a 32 beam high resolution infrared matrix which offers best in class detection for safe and secure operation.

Accurate Detection

The highly complex range of beams detects and deters tailgates in very close proximity, and the ACTS10 is designed to integrate seamlessly with Access Control, CCTV and whole building management systems. By receiving information From your Access Control system, ACTS10 knows how many people to admit and in which direction of travel. Any unexpected movements of traffic are instantly met with an audible and visual alarm and signals can be passed to your Access Control or CCTV system to acknowledge an alarm condition has occurred.

Reliablity

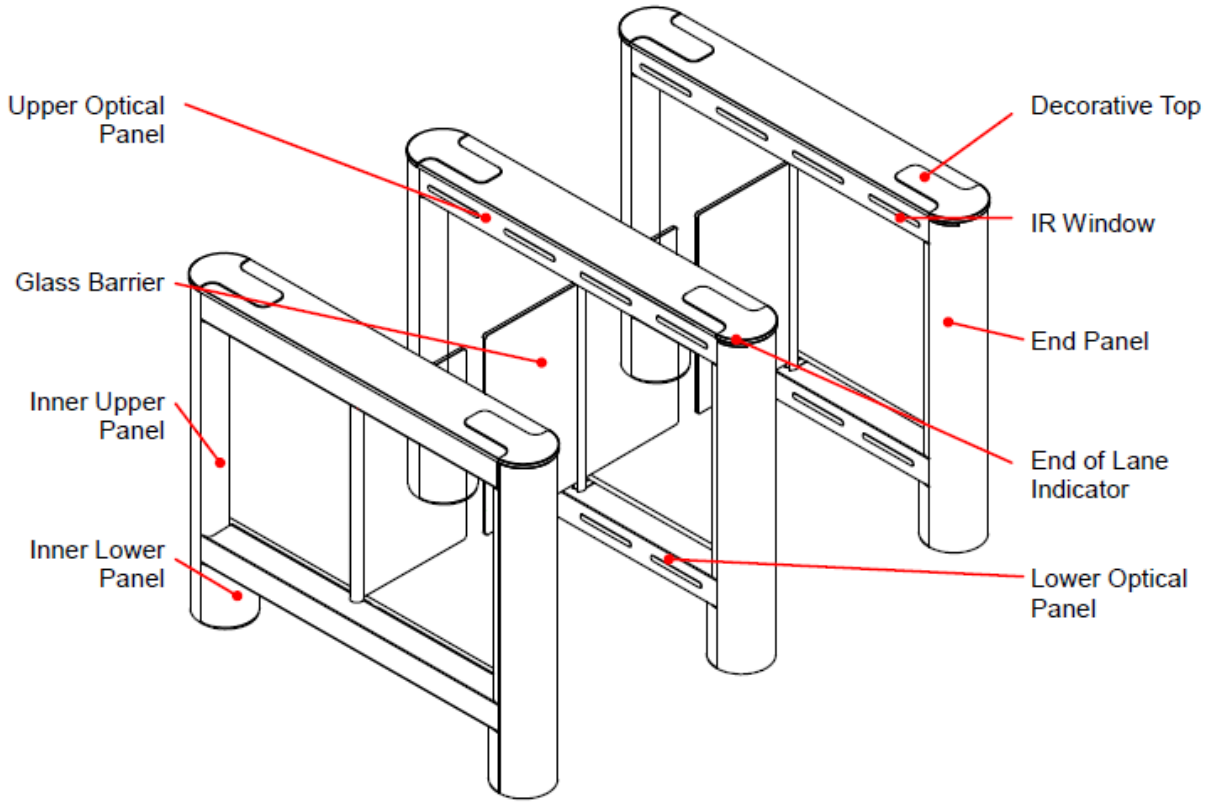
ACTS10 now features fast Ethernet communications for control, configuration and diagnostics. High build quality lowers the whole life costs of the unit, fewer failures mean lower repair costs and less downtime, and online diagnostics and remote support packages reduces the need for an engineers attendance to every technical issue which may occur. The barriers also open in a smooth action in a door-like motion and open into the footprint of the barrier, thereby reducing the possibility of a user coming in contact with the moving leaf.

Call us:
1890 274 273

Visit us:
Unit C Purcellsinch Industrial Estate,
Old Dublin Road, Kilkenny, R95 EH52

Email / Website:
admin@actec.ie
www.actec.ie

Turnstiles



Technical Specifications:

Dimensions L x W x H:	1148 x 168 x 965 mm
Standard Lane Width:	660 mm
Barrier Height:	846.5 mm
Barrier Material:	10mm Toughened Safety Glass EN14179 / ANSI97.1
Barrier Speed of Operation:	< 1 second
Tailgate detection distance:	5mm
Temperature Range:	5°C to 50°C
Relative Humidity:	5 to 95% non-condensing
Power Supply:	24Vdc—2.5A
Ingress Protection:	IP20 Internal Applications Only
Optical system performance:	1 person per second
Typical Application:	40 persons per minute

Auxiliary Connections:

Access Control Inputs:
Entry Request Volt Free Contact
Visitor Entry Momentary Contact
Fire Alarm Opto-coupled Input (12-24Vc @ 25mA nominal)
Ethernet Connection via RF45 TCP/IP Port

Access Control Outputs:
Entry Monitor Volt Free Contact
Exit Monitor Volt Free Contact
Alarm 1 Output opening for 1—16 seconds
Alarm 2 Output opening for 1 second

Contact us for more information

Pedestrian Turnstile ACTS20

ACTEC
INTERLOCKING & DOOR AUTOMATION SOLUTIONS

The ACTS20 is based on the structure of the most popular swing barrier but has been newly updates to feature IP connectivity for Ethernet control and monitoring.

Secure Access Control

The ACTS20 includes the latest 32 beam-path platform to provide maximum security infrared detection. The timeless design with the new processing power and Ethernet connectivity puts the ACTS20 on the cutting edge of turnstile products globally. Optional locking brakes are now available on this product.

Accurate Detection

The highly complex range of beams detects and deters tailgates in very close proximity, and the ACTS20 is designed to integrate seamlessly with Access Control, CCTV and whole building management systems. By receiving information From your Access Control system, ACTS20 knows how many people to admit and in which direction of travel. Any unexpected movements of traffic are instantly met with an audible and visual alarm and signals can be passed to your Access Control or CCTV system to acknowledge an alarm condition has occurred.

Reliablity

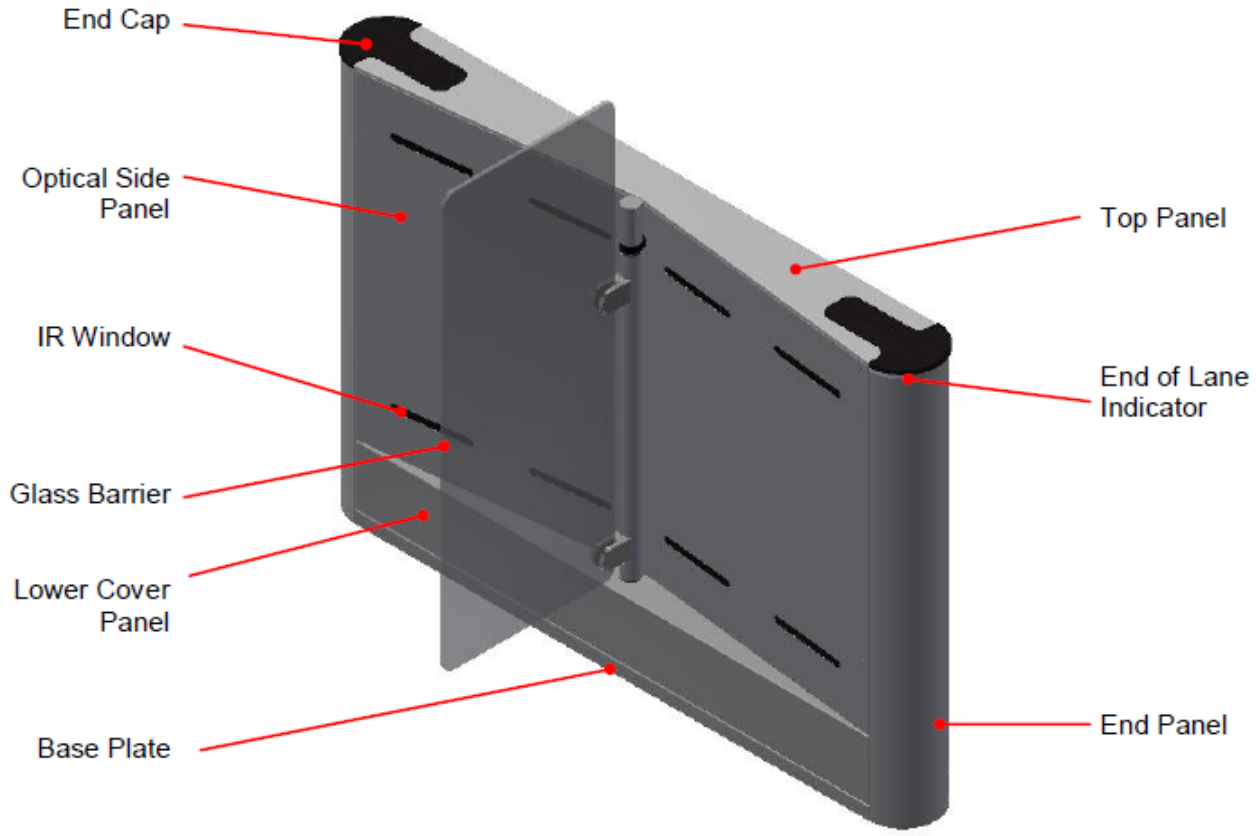
ACTS20 now features fast Ethernet communications for control, configuration and diagnostics. High build quality lowers the whole life costs of the unit, fewer failures mean lower repair costs and less downtime, and online diagnostics and remote support packages reduces the need for an engineers attendance to every technical issue which may occur. The barriers also open in a smooth action in a door-like motion and open into the footprint of the barrier, thereby reducing the possibility of a user coming in contact with the moving leaf.

Call us:
1890 274 273

Visit us:
Unit C Purcellsinch Industrial Estate,
Old Dublin Road, Kilkenny, R95 EH52

Email / Website:
admin@actec.ie
www.actec.ie

Turnstiles



Technical Specifications:

Dimensions L x W x H:	1411 x 168 x 962 mm
Standard Lane Width:	600 mm
Barrier Height (3 options):	962 / 1200 / 1500 mm
Barrier Material:	10mm Toughened Safety Glass EN14179 / ANSI97.1
Barrier Speed of Operation:	< 1 second
Tailgate detection distance:	5mm
Temperature Range:	5°C to 50°C
Relative Humidity:	5 to 95% non-condensing
Power Supply:	24Vdc—2.5A
Ingress Protection:	IP20 Internal Applications Only
Optical system performance:	1 person per second
Typical Application:	30 persons per minute

Auxiliary Connections:

Access Control Inputs:
Entry Request Volt Free Contact
Visitor Entry Momentary Contact
Fire Alarm Opto-coupled Input (12-24Vc @ 25mA nominal)
Ethernet Connection via RF45 TCP/IP Port

Access Control Outputs:
Entry Monitor Volt Free Contact
Exit Monitor Volt Free Contact
Alarm 1 Output opening for 1—16 seconds
Alarm 2 Output opening for 1 second

Contact us for more information

Pedestrian Turnstile ACTS30

ACTEC
INTERLOCKING & DOOR AUTOMATION SOLUTIONS

The ACTS30 offers a taller, more secure and more imposing barrier for higher security requirements. Combining Stainless Steel and Glass gives the ACTS30 an open appearance whilst maintaining a commanding presence.

Maximum Security

Available in various heights up to 1.8 metres tall, the ACTS30 is easy and intuitive to use with swinging glass barriers. The ACTS30 includes the latest 32 beam-path platform to provide maximum security infrared detection.

Accurate Detection

The highly complex range of beams detects and deters tailgates in very close proximity, and the ACTS30 is designed to integrate seamlessly with Access Control, CCTV and whole building management systems. By receiving information From your Access Control system, ACTS30 knows how many people to admit and in which direction of travel. Any unexpected movements of traffic are instantly met with an audible and visual alarm and signals can be passed to your Access Control or CCTV system to acknowledge an alarm condition has occurred.

Reliablity

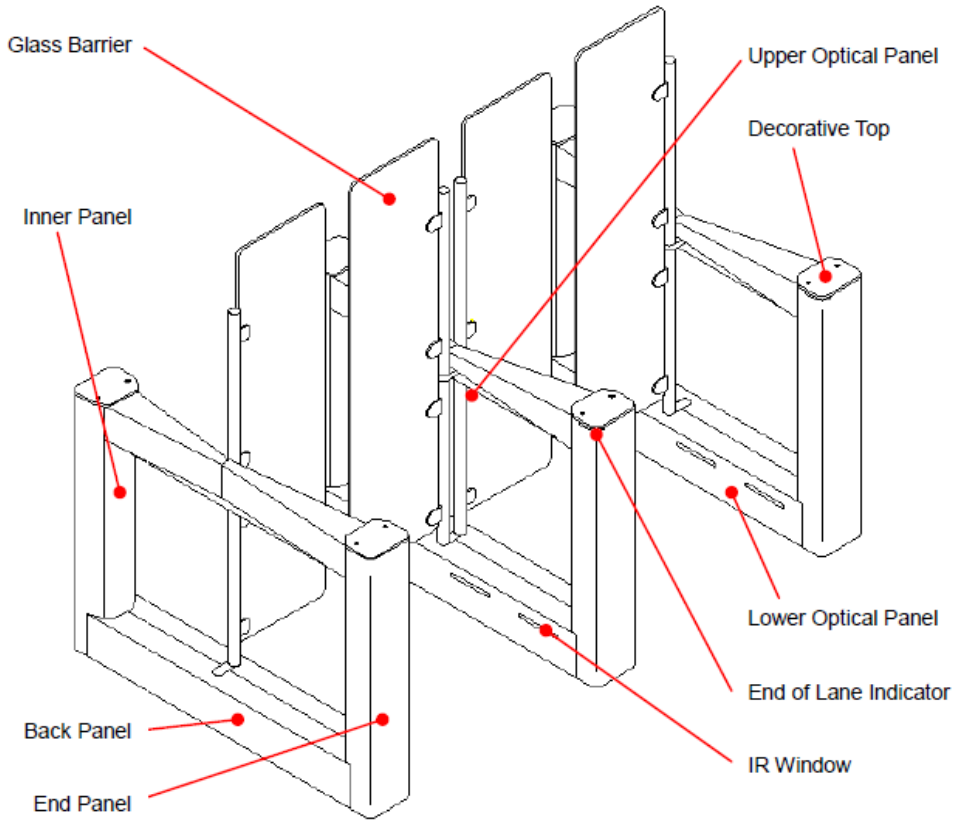
ACTS30 now features fast Ethernet communications for control, configuration and diagnostics. High build quality lowers the whole life costs of the unit, fewer failures mean lower repair costs and less downtime, and online diagnostics and remote support packages reduces the need for an engineers attendance to every technical issue which may occur. The barriers also open in a smooth action in a door-like motion and open into the footprint of the barrier, thereby reducing the possibility of a user coming in contact with the moving leaf.

Call us:
1890 274 273

Visit us:
Unit C Purcellsinch Industrial Estate,
Old Dublin Road, Kilkenny, R95 EH52

Email / Website:
admin@actec.ie
www.actec.ie

Turnstiles



Technical Specifications:

Dimensions L x W x H:	1408 x 218 x 1063 mm
Standard Lane Width:	660 mm
Barrier Height (4 options):	1061 / 1200 / 1500 / 1800mm
Barrier Material:	10/12mm Toughened Safety Glass EN14179 / ANSI97.1
Barrier Speed of Operation:	< 1 second
Tailgate detection distance:	5mm
Temperature Range:	5°C to 50°C
Relative Humidity:	5 to 95% non-condensing
Power Supply:	24Vdc—3A
Ingress Protection:	IP20 Internal Applications Only
Optical system performance:	1 person per second
Typical Application:	20 persons per minute

Auxiliary Connections:

Access Control Inputs:
Entry Request Volt Free Contact
Visitor Entry Momentary Contact
Fire Alarm Opto-coupled Input (12-24Vc @ 25mA nominal)
Ethernet Connection via RF45 TCP/IP Port

Access Control Outputs:
Entry Monitor Volt Free Contact
Exit Monitor Volt Free Contact
Alarm 1 Output opening for 1—16 seconds
Alarm 2 Output opening for 1 second

Contact us for more information

Notes

Call us:

1890 274 273

Visit us:

Unit C Purcellsinch Industrial Estate,

Old Dublin Road, Kilkenny, R95 EH52

Email / Website:

admin@actec.ie

www.actec.ie

Notes

After Sales Service

ACTEC
INTERLOCKING & DOOR AUTOMATION SOLUTIONS

Actec is proud to be your one-stop shop for designing, installing, maintaining and repair of your complete door automation and door interlock solutions. Attention to detail is what makes Actec stand apart from all its competitors, as well as a great selection of products, close relationships with manufacturers and continuous support to all of our customers.

At Actec we approach planned preventative maintenance agreements by designing comprehensive, customized solutions to maximize the life of your door automation and/or interlock systems and keep them running at peak operating condition. Full compliance with your SLA's and KPI's give you full transparency of our service at all times.

A vital link in our chain of success is the offerings that fall under the overall heading of Maintenance. The complete Actec Maintenance offering involves 3 key components:

- Planned Preventative Maintenance
- Planned Corrective Maintenance
- Planned Upgrade Maintenance

The next few pages detail how our maintenance offering can be tailored to suit each specific customers needs, providing customers with both sustainable systems and manageable budgets. These maintenance offerings apply across the entire range of Actec products.

At Actec, our goal is to protect your original system investment. Our planned preventative maintenance program helps you to control your costs with an optimum blend of predictive, diagnostic and scheduled maintenance services. We're thankful to partner with clients who recognise the value of proactive maintenance and to help their interlock and door automation systems to last for a long, healthy design lifespan.

If you're interested in learning more about joining a preventative maintenance program, contact us today.

Preventative Maintenance

ACTEC
INTERLOCKING & DOOR AUTOMATION SOLUTIONS

When your Door Automations and Interlock Systems work well, your technical staff, production staff and quality staff will not tell you! However, when there is a problem with one of the systems, you will hear all about it!

Bearing this in mind, clearly it makes sense that when problems arise they can cause serious problems for your building, staff and productivity. These issues can be even more difficult to deal with when you are not prepared as a business, and now have to address the challenges at the last-minute.

Thankfully you can take a proactive step and assist your business to help protect itself: a planned preventative maintenance agreement. Our planned maintenance plan significantly improves the return on investment of your doors and the overall performance of your building through regular check-ups and technically-detailed proactive care.

Elements of a preventative maintenance agreement can include the following:

- Scheduled inspections
- Motor / Fixings / Locking / Electronic Device maintenance
- Corrective door and interlock maintenance
- Emergency and callout coverage
- Provision of Spare parts
- Comprehensive work reports detailing the service work carried out plus any future recommendations
- PPM Log
- Repair Log

Preventative Maintenance Benefits

ACTEC
INTERLOCKING & DOOR AUTOMATION SOLUTIONS

So what are the benefits of having a preventative maintenance agreement in place? Well, this is a very easy question to answer. In fact, there are 10 important benefits which you will receive when you engage with an Actec preventative maintenance agreement.

1. Prevent Problems

When systems are regularly checked and adjusted, you will see a continuously high performance from your door automations and interlock systems. By carrying out PPM, Actec can harness expertise to identify areas of concern and make plans to correct them before they become a problem, and a large cost.

2. Improve product quality and quality compliance

In the event of an audit, the maintenance log and door repair log that supports your maintenance agreement will prove to be a very strong defence against possible perceived or real environmental complaints. It proves that all equipment is being kept in prime condition. The challenges posed by situations such as this can be fully met by having a proper maintenance agreement in place. Plus, the production environment will be kept in its prime condition.

3. Maximum lifespan of your automation / interlock system

In order to fully fulfil the design lifespan of your installation, your door automation and interlock systems need consistent check-ups. Keeping the high expense of a full replacement in mind, being proactive is the most cost-efficient way of managing your maintenance.

Call us:
1890 274 273

Visit us:
Unit C Purcellsinch Industrial Estate,
Old Dublin Road, Kilkenny, R95 EH52

Email / Website:
admin@actec.ie
www.actec.ie

Preventative Maintenance Benefits (contd.)

ACTEC
INTERLOCKING & DOOR AUTOMATION SOLUTIONS

4. Sustainability by reducing utility bills

Your energy usage can be reduced by taking care of your door automation and interlock equipment. By monitoring the systems in your facility, Actec will be able to make ongoing adjustments and improvements in the systems operation.

5. Controllable Budgets

When you have foresight in relation to the costs associated with your door automations and interlock systems, you can plan and set aside funds to address the maintenance based on your own timeframe. Nobody wants the uncertainty of emergency callouts and the expense of breakdowns.

6. Maintenance at a time that suits you

Production areas are commercially very busy, and scheduling maintenance checks can pose to be a difficult task. At Actec we work to your schedule to ensure that all works are carried out at the most convenient time that suits you. Our scheduling system will also generate an automatic plan to suit your requirements, so you can rest assured that we're with you exactly when you need us.

Preventative Maintenance Benefits (contd.)

ACTEC
INTERLOCKING & DOOR AUTOMATION SOLUTIONS

7. Be high on our list of priorities

In the event of an emergency occurring, the fact that you have a maintenance agreement in place will mean that you will receive same day or next day attention, in line with agreed SLA's and KPI's. Actec prioritize the needs of all our maintenance agreement customers to ensure that you have a repair service available 24/7/365 in line with your business needs.

8. Stay ahead of legislation

As an employer, there are certain legal requirements (Machinery Regulations / EN16005:2012) that you must fulfil to keep your door automations within the legal requirements. These requirements change from time to time, and the only way that you can stay informed about these changes is to have a fully trained technician regularly check over your installation and advise you on any steps that should be taken to comply with any relevant regulations. This keeps your business informed of regulatory changes at all times.

9. Remote Monitoring

With optional remote monitoring of interlock systems and door automations, we can look after your doors 24/7. This will lead to a dramatic reduction in down time and costly repairs.

10. Preferential Rates

As a planned preventative maintenance customer, you will have access to preferential rates on all of the Actec offerings. This includes rates for upgrades, repair materials, spare parts, replacement door components, replacement interlock components and callouts.

So, do you need a Preventative Maintenance Agreement?

ACTEC
INTERLOCKING & DOOR AUTOMATION SOLUTIONS

To gain a true indication of whether or not a preventative maintenance agreement would be beneficial, the costs of various different scenarios should be proper compared with the cost of the preventative maintenance agreement.

- The cost of regular, scheduled, forward planned maintenance vs. the cost of emergency breakdowns and replacement costs

- The cost of lost productivity and increased after-hours service costs due to unplanned equipment failures needs to be factored in

- Reduced employee productivity due to non-compliant door automations or interlock systems

The solution you will come to is, Yes, you do need a maintenance agreement.

- Door Condition Reports

This is a free service where one of our expert engineers will assess and, if possible, will guarantee that your doors are in safe working order and that they are compliant with the statutory requirements controlled by EN16005:2012 and/or BS7036:1996.

For a free quotation or door condition report, please contact us on admin@actec.ie

EN16005:2012 - How does it impact you?

The most important aspect of safety in use of powered pedestrian doors is that they are classified as machines under the Machinery Directive. The Machinery Directive is mandatory and compliance must be proven for both safety in use and for maintenance. The risk of non-compliance is severe fines and/or imprisonment especially where negligence is proven.

Two items from the Machinery Directive that are worth noting are:

- Employers should ensure that all machines are maintained in an efficient state, in efficient working order and in good repair
- Employers should ensure that machinery should have a maintenance log and that it is kept up to date.

From a door-specific standard point of view, there are two standards that are worth knowing about.

Prior to April 2013 the only way of proving that an automatic door was compliant with regulations was by following BS7036:1996. While this is a British Standard and is not mandatory, it is the reference that will be used in measuring the safety of an automatic door in the event of an accident. The relevant investigating authorities will refer to all documentation that relate to the door in question and will determine compliance based on a comparison between the installation and BS7036:1996.

After April 2013 this standard was superseded by the more detailed and more specific EN16005:2012. As the name indicates, this is a European standard rather than the previous British Standard, and it is very specific about how users are protected and what is acceptable and unacceptable. Therefore, EN16005:2012 should be taken a the minimum requirement to fulfilling your legal obligation.

Regulations clearly state that, in order for an engineer to be EN16005:2012 compliant, they need to be:

- Trained to work on the product in question
- Certified and Tested to ensure EN16005 compliance

All Actec Engineers are fully EN16005:2012 trained and certified.

Call us:
1890 274 273

Visit us:
Unit C Purcellsinch Industrial Estate,
Old Dublin Road, Kilkenny, R95 EH52

Email / Website:
admin@actec.ie
www.actec.ie

Notes

Notes

Call us:

1890 274 273

Visit us:

Unit C Purcellsinch Industrial Estate,

Old Dublin Road, Kilkenny, R95 EH52

Email / Website:

admin@actec.ie

www.actec.ie

Notes

Actec - Providing Interlocking and Door Automation Solutions to leading pharma companies since 2002

ADSA
Automatic Door Suppliers Association

The Private Security Authority
An tÚdarás Slándála Príobháidí

Call us:
1890 274 273

Visit us:
Unit C Purcellsinch Industrial Estate,
Old Dublin Road, Kilkenny, R95 EH52

Email / Website:
admin@actec.ie
www.actec.ie

ACTEC

INTERLOCKING & DOOR AUTOMATION SOLUTIONS

Call us:
1890 274 273

Visit us:
Unit C Purcellsinch Industrial Estate,
Old Dublin Road, Kilkenny, R95 EH52

Email / Website:
admin@actec.ie
www.actec.ie