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.
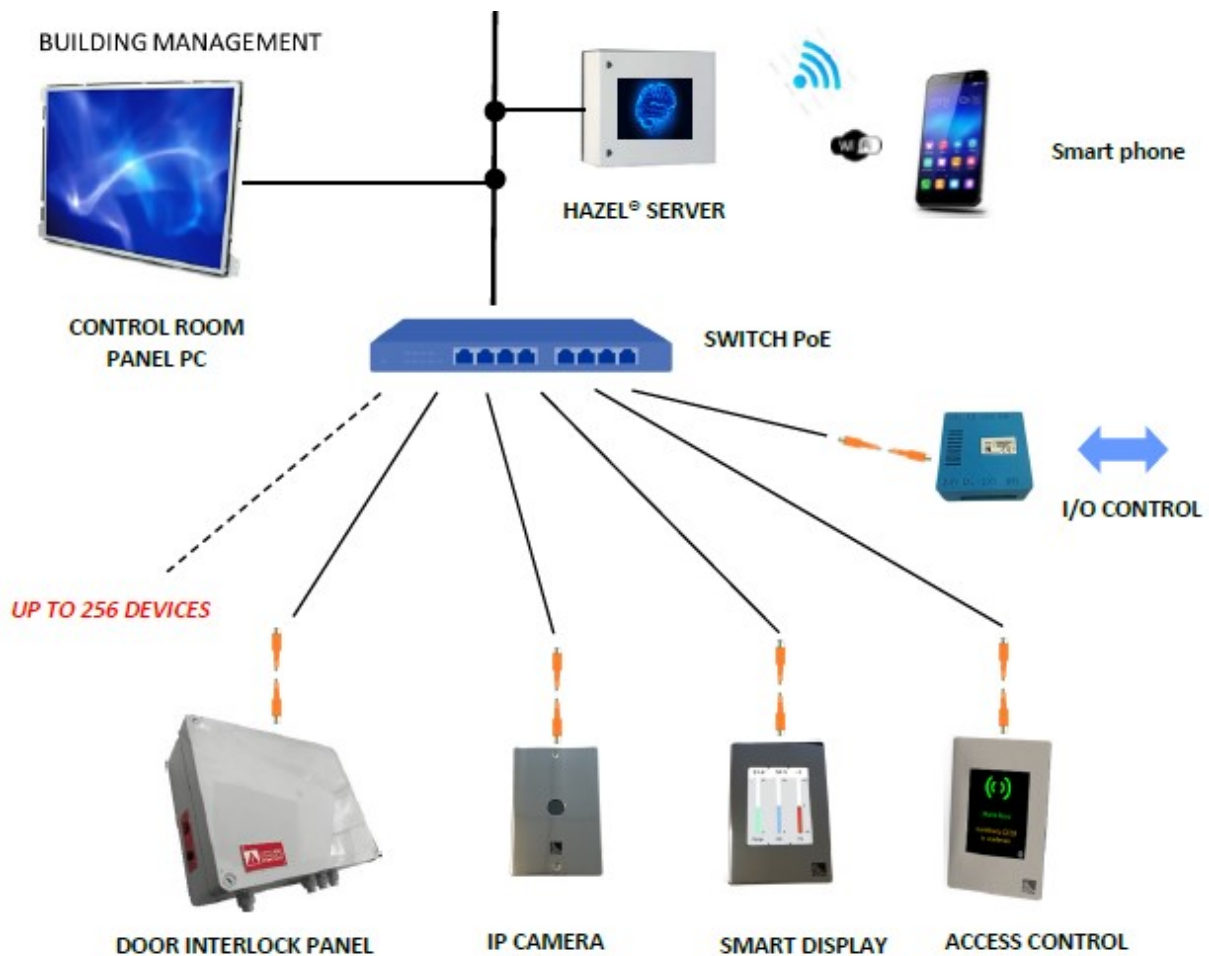
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▲ System Components

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.