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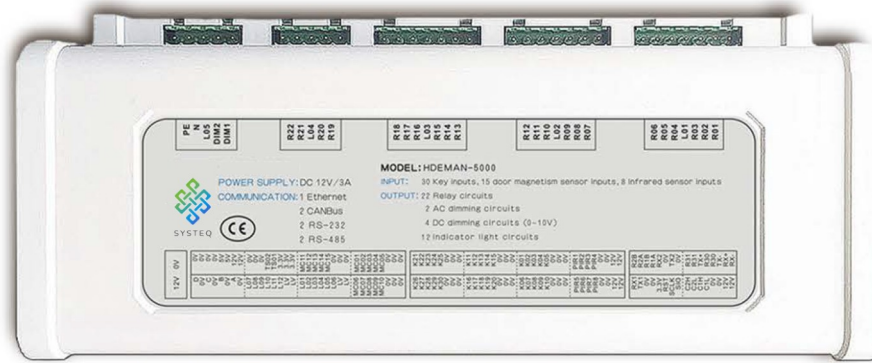
H5000 System

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Overview

- The H5000 is an intelligent control centre, designed to meet most hotel guest-room requirements for lighting, dimming, heating and cooling, guest services plus many useful features
- The integrated design has a small form factor, ideal for hotel guest-rooms where space is always at a premium
- Onboard the H5000, there are; relays, dimmers, I/O points and provision for third party interfacing ports. Powered by a Cortex-A7 processor, the H5000's system and application software is unrivalled. Linking up each unit through a TCP network, they form a central management system providing hotel engineering a remote monitoring and control management tool. This aids in quick recovery from faults, minimising room downtime.
- Designed for easy installation and servicing, 220v electrical cables are connected to high performance, plug-in terminals, while the extra low voltage cables are connected to standard RJ45 sockets. H5000 features the following:
 - 2 channel thyristor dimming, each rated at 1.5A
 - 4 channel 0-10vdc analogue outputs, suitable for dimming and control of DC equipment such as; actuators, fan motors, etc.
 - 22 channel relay outputs for on/off control, each rated at 8A, providing a continuous 2A operating voltage
 - 30 dry contacts for wall switch inputs, to accept 3rd party switch-plates with point to point connection
 - 12 LED indicator outputs
 - 15 passive dry contact inputs for door contacts
 - 8 PIR inputs
 - 2 temperature sensors
 - 2 RS485 and 2 RS232 serial ports
 - 2 CanBus
 - 1 TCP port
 - The H5000 is up-scalable by adding equipment such as; dimmers, etc., see schematic.



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Basic Specification

- Specification model: HDEMAN-5000
- Power supply: 12VDC/3A
- Communication method: CAN BUS
- External Communication: RS485 & RS232
- Networking method: TCP/IP
- Loading Capacity: <127 units
- Product size: 252mm*108mm*75mm
- Product installation: DIN35mm rail installation
- Operating environment 10C~50C, RH40%~90%, non-condensing

Warning

If you cannot confirm the positive and negative poles for the power supply or the communication signal lines, please contact professionally trained engineers for equipment replacement and maintenance. Do not repair or replace the device when powered. Do not attempt to repair or replace the electronic components on the device by yourself.

Notice

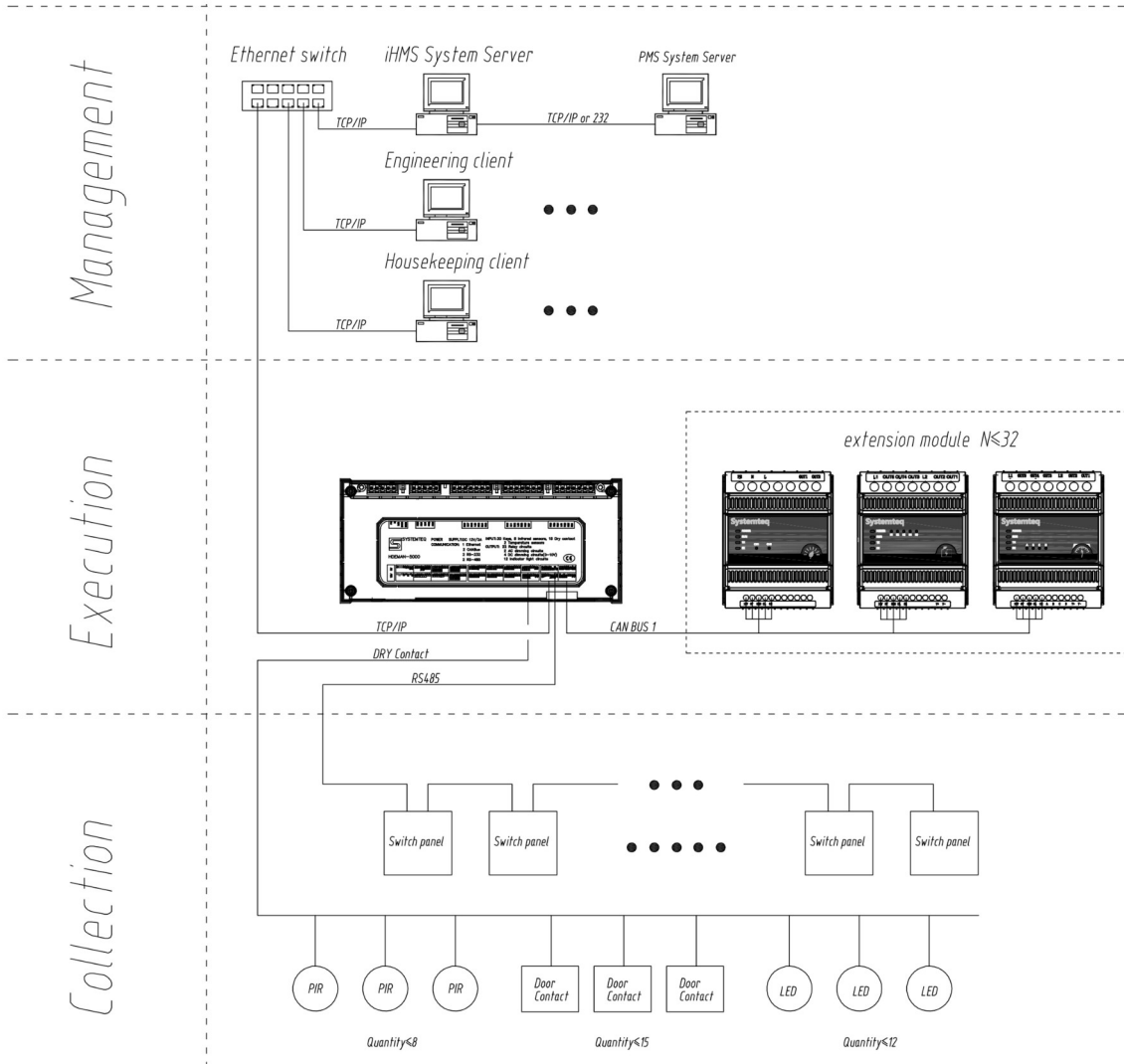
After replacing this equipment, the identification address of the equipment and the control program software should be updated. After the equipment is replaced, appropriate protective measures should be taken to avoid repeat damage. Once the equipment is running normally, dust on the surface needs to be cleaned regularly to avoid overheating and damage to the equipment. It is recommended to clean the equipment at least once a year. Any equipment damaged caused by usage methods contrary to the instructions detailed in this document will not be covered by warranty.



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System Architecture

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Introduction to Extra Low Voltage ports

