

BZ-HU001XP

Programmable Room Control Box



Product

Dalitek's BZ-HU001XP programmable room control box is designed to power the next generation of smart hotel rooms. This system can work as a standalone unit or networked with the building management software (BMS) for central control and monitoring.

The BZ-HU001XP has been designed to interface with and control all types of modern hotel infrastructure including lighting, curtains, HVAC and TV. This room control system delivers reliable robust control that will ensure that your guests obtain the optimum experience during their stay

Technical parameters :

- Din Rail Terminal blocks for mains wiring. Maximum 4mm² wire size
- 6 interchangeable I/O card slots for system configuration
- Low voltage terminal interface
- Guest Room function IO card Slot
- 3 × Temperature or Humidity sensor input
- RS485 port
- TCP/IP interface port
- 32 Bit ARM processor
- LED status indication
- Processor status indication
- External Temperature control interface
- Integrated Power supply
- Earth rail, Neutral Rail
- Room Output interface
- Dimension: 520 × 430 × 120mm
- Weight: Approximate 11.5KGS

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Functional Cards List:

Relay output card



HU001.1.6XP

- 6 channel , 2A/channel

HU001.1.6XAP

- Silent relay output card
- 6 channel , 2A/channel

Housekeeping control card



HU001.2.8XP

- logical function: DND, MUR, Wait, Service request, Doorbell, SOS light and logic control of lights
- 12V optical isolation output

HAVC control card



HU001.1.5XP

- 5 channel output , 5A/channel
- Designed for two-pipe or four-pipe fan coil control
- Control of hot and cold valve
- Multi Fan speed control
- valve control with two or three lines.

HU001.1.5XAP

- 2 channel output , 5A/channel
- one channel 0-10V analog fan coil control
- one channel 10V output for separately controlling the close and the open of fan coil
- Control of hot and cold valve
- valve control with two or three lines.

High-voltage A/C panel input board



HU001.1.2XP

- Connecting the A/C panel input from the third party

TCP/IP BUS terminal, CPU board



HU001.2.2XP

- ARM 32 bit CPU chip board
- TCP/IP Interface
- Real Time clock

Electric Curtain Control Card



HU001.1.4XP

- 2 x motor control (220V AC)

HU001.1.4XAP

- 2 x motor control (dry contact control)

Dry contact input terminal board



HU001.2.3XP

- 40 x dry contacts input
- screwless, pin-through-hole connection

Illumination Control Card



HU001.1.3XP

- Reading lamp and emergency lamp
- 2 x channel reading lamp + 1x channel emergency lamp

HU001.1.3XAP

- Leading edge dimming card
- 3 x dimming outputs , 2A/channel



HU001.1.3XBP

- Trailing edge dimming card
- 2 x dimming outputs, 2A/channel

HU001.1.3XCP

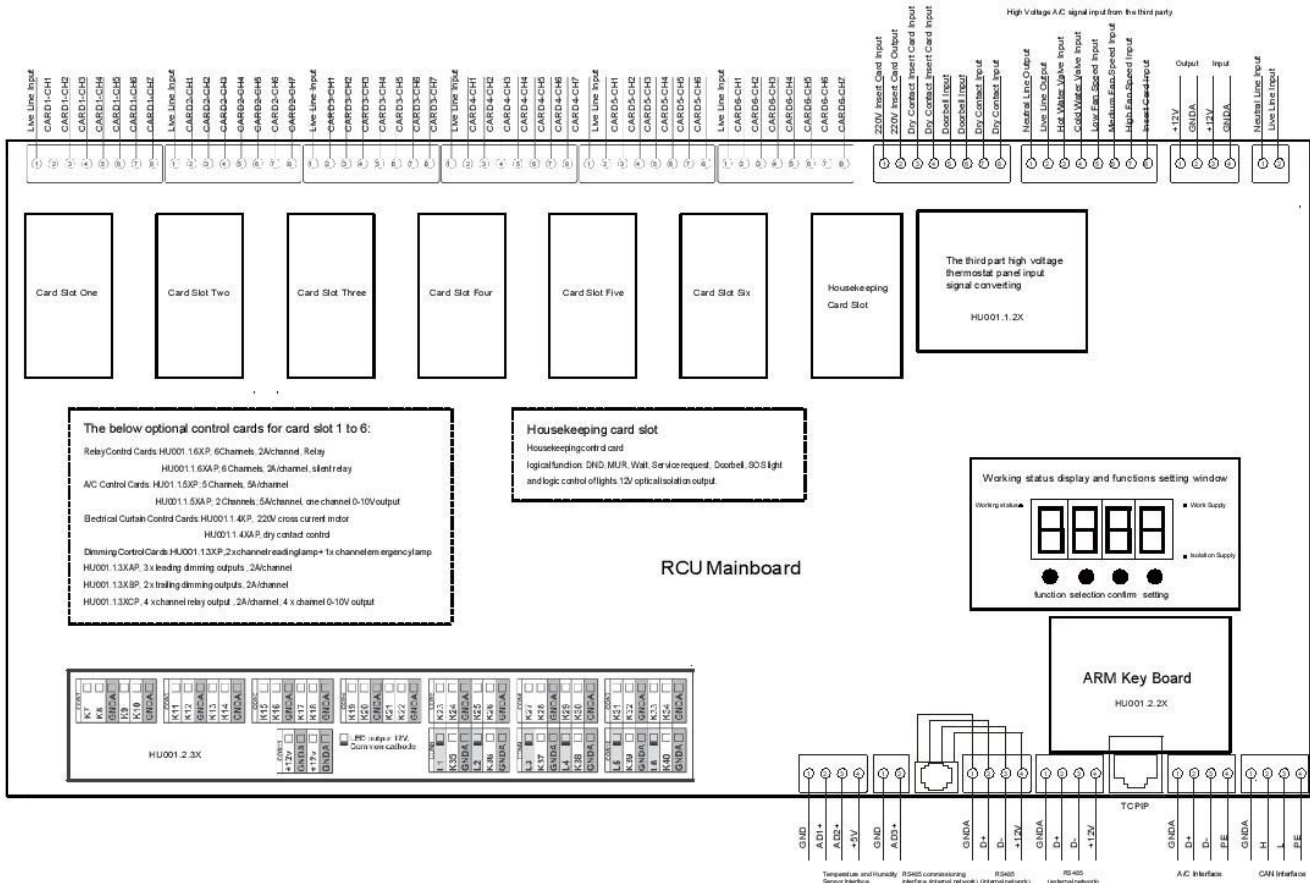
- Relay output+4 channels of 0-10V output
- 4 x channel relay output , 2A/channel
- 4 x channel 0-10V output

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Wiring Diagram:

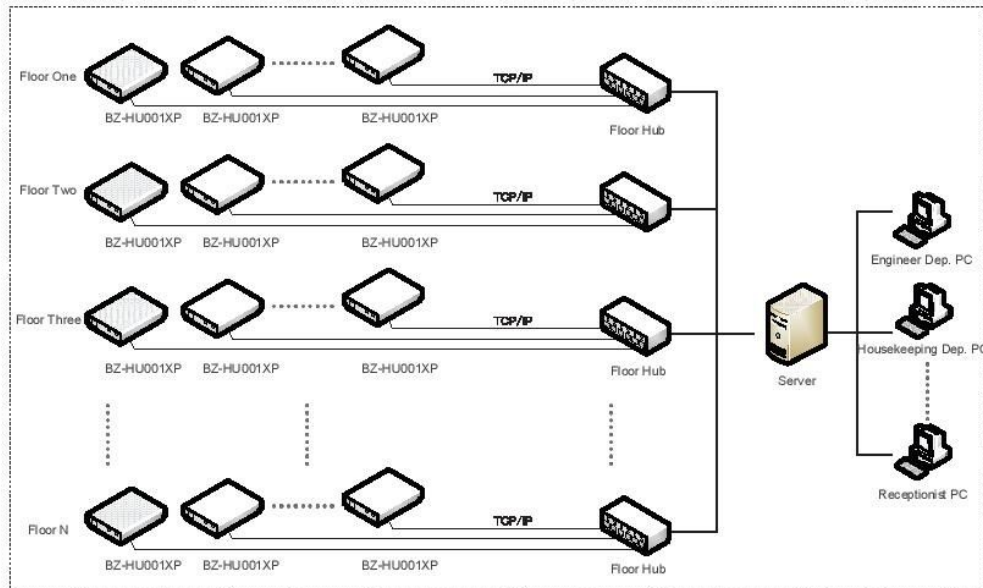


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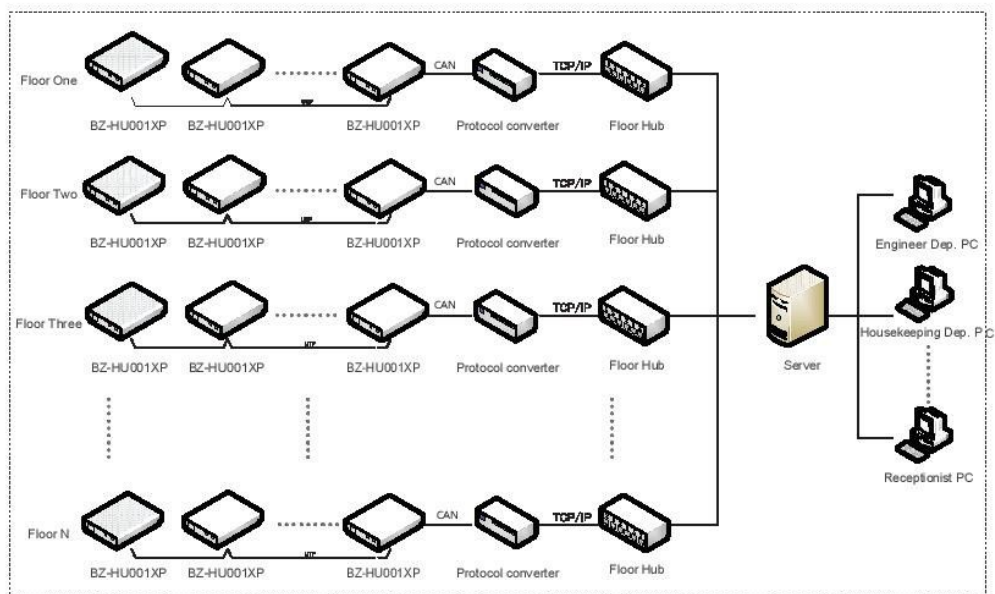
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Network Diagram:



TCP/IP



RS485