**Robotina d.o.o.**
OIC Hrpelje 38
SI-6240 Kozina
Slovenia

# MC-24-H1

**Hotel Room Controller 24VDC**


| Model number: | **MC-24-H1** |
|---|---|
| Description: | 24 VDC, 26 IO, 2x RS232, CAD BC - bus coupler |
| Mounting: | DIN rail(35mm), 6M, 106mm |

## Features

- 12 digital inputs
- 10 relay outputs 8 A
- 4 universal inputs/outputs
- Ethernet, USB, IEX-2, 2×RS232, CAD BC - bus coupler
- Enocean gateway (Optional → order code: MC-24-06-H)
- 24 VDC power supply

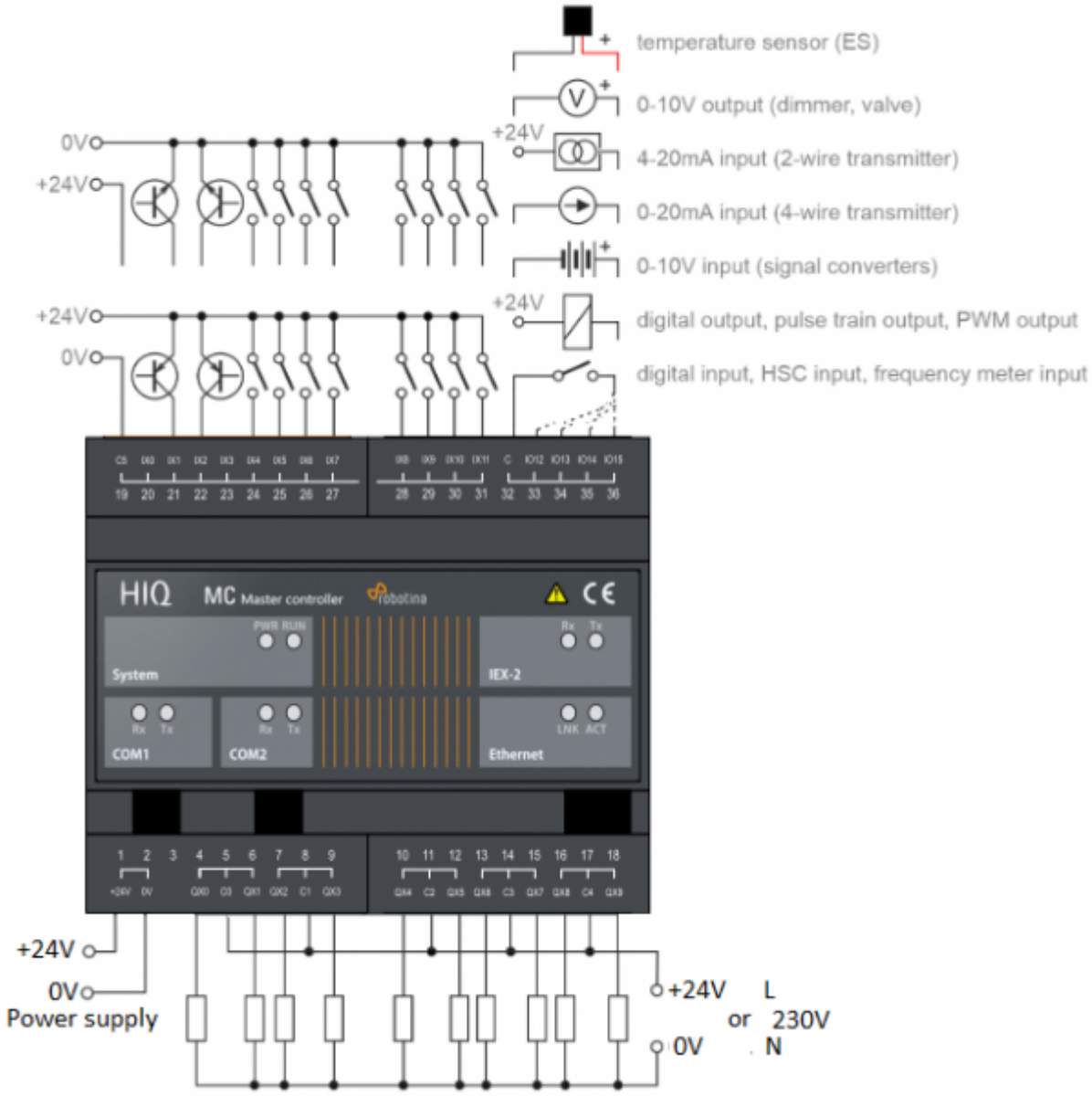
## Safety standards

EN 61010-1, EN 61010-2-201, EN 61131-2

# Technical specification

| | |
|---|---|
| System clock | 100MHz |
| Instruction execution | 10ns per instruction |
| Program memory | 896Kb for user program |
| Data memory | 64Kb for user variables |
| Data retention | 7 days |
| RTC accuracy | typ. ±2 sec per day at 25°C |
| Digital input (ix00..ix11) | 24V 7mA, opto isolated, bidirectional |
| Digital input (ix12..ix15) | dry contact, internal pull-up 12V 3mA |
| Digital output (qx00..qx09) | relay 8A/250VAC or 8A/30VDC resistive |
| Digital output (qx12..qx15) | NPN transistor 30V 1A |
| IEX-2 bus load | 48 modules (Cybro + 47 IEX-2) |
| IEX-2 baud rate | 20, 50, 100 (default), 250, 500kbps |
| IEX-2 cable length, 100kbps | 100m (non-terminated) |
| IEX-2 cable length, 100kbps | 300m (terminated) |
| IEX-2 cable length, 50kbps | 500m (terminated) |
| Power supply | 24V (18..28V) |
| Power consumption | 50mA (no load), 180mA (10 relays, 4x 10Vout) |
| Power output (IEX-2) | 24V 2A (limited by resettable fuse) |
| Operating conditions | 0..50°C, 0..85% rh non-condensing |
| Degree of protection | IP20 |
| Installation category | III |

# Terminals

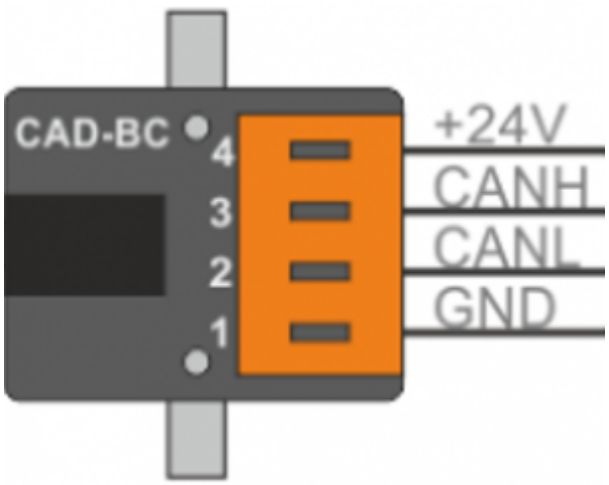



## Bus Connection Cable

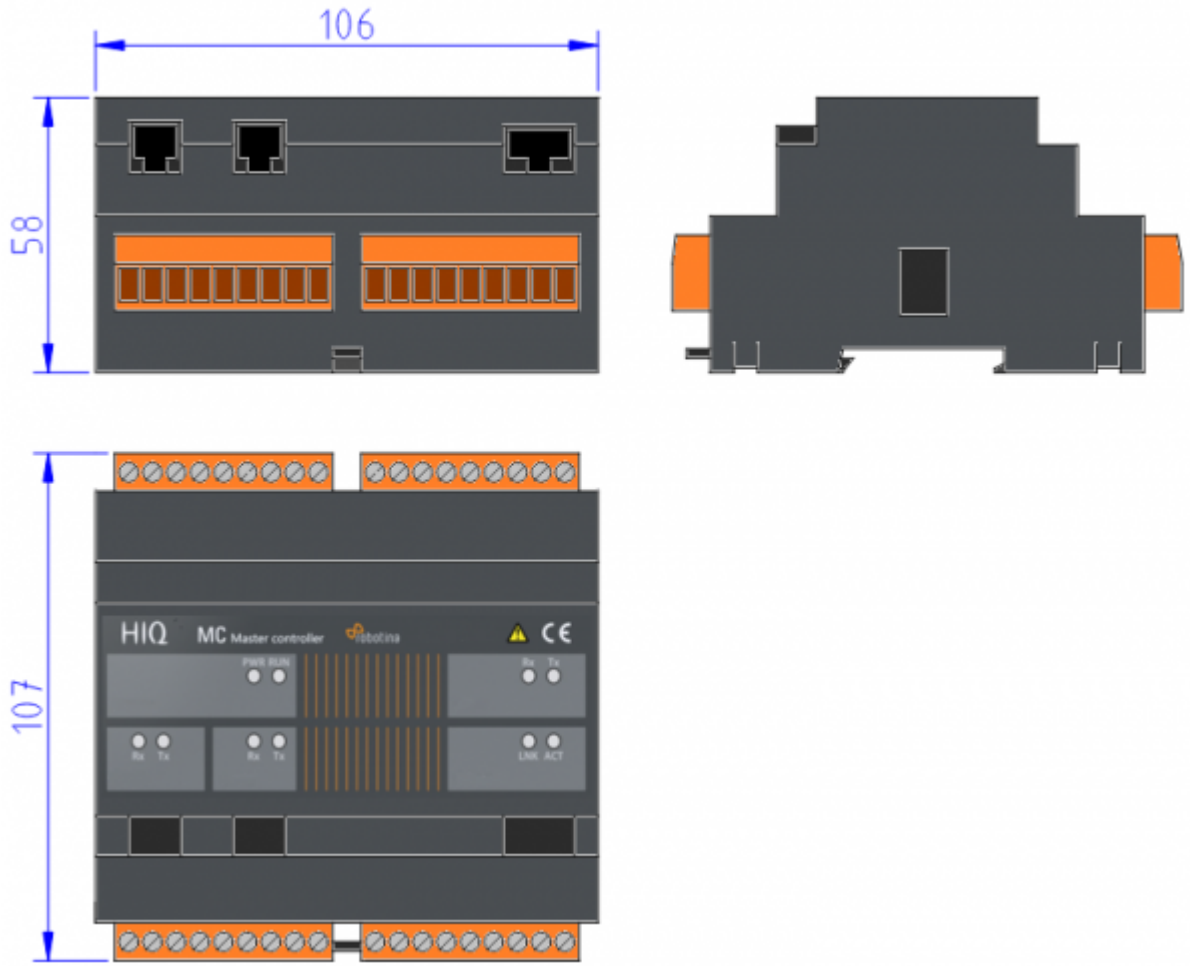
- The product includes a 2.5 cm RJ9-to-RJ9 bus cable (Order code: CAD-P0) for connection to controllers, allowing the units to be linked together.
- Longer cable versions are available under order codes CAD-Px.

## CAD-BC Bus Coupler

MC-24-H1 is used together with the **CAD-BC bus coupler**, which provides the connection between the controller and the bus connection cable. The CAD-BC is mounted on a DIN rail and provides an RJ9 bus interface for linking the controller with other units in the system. The **CRD**, **TGP**, and **FC** modules are connected to the **CAD-BC** in parallel, in accordance with the relevant wiring diagram.




## Dimensions


106
58
107
HIQ
MC Master controller
CE
PWR RUN
Rx Tx
Rx Tx
Rx Tx
LNK ACT