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

1. 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

1.1. 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

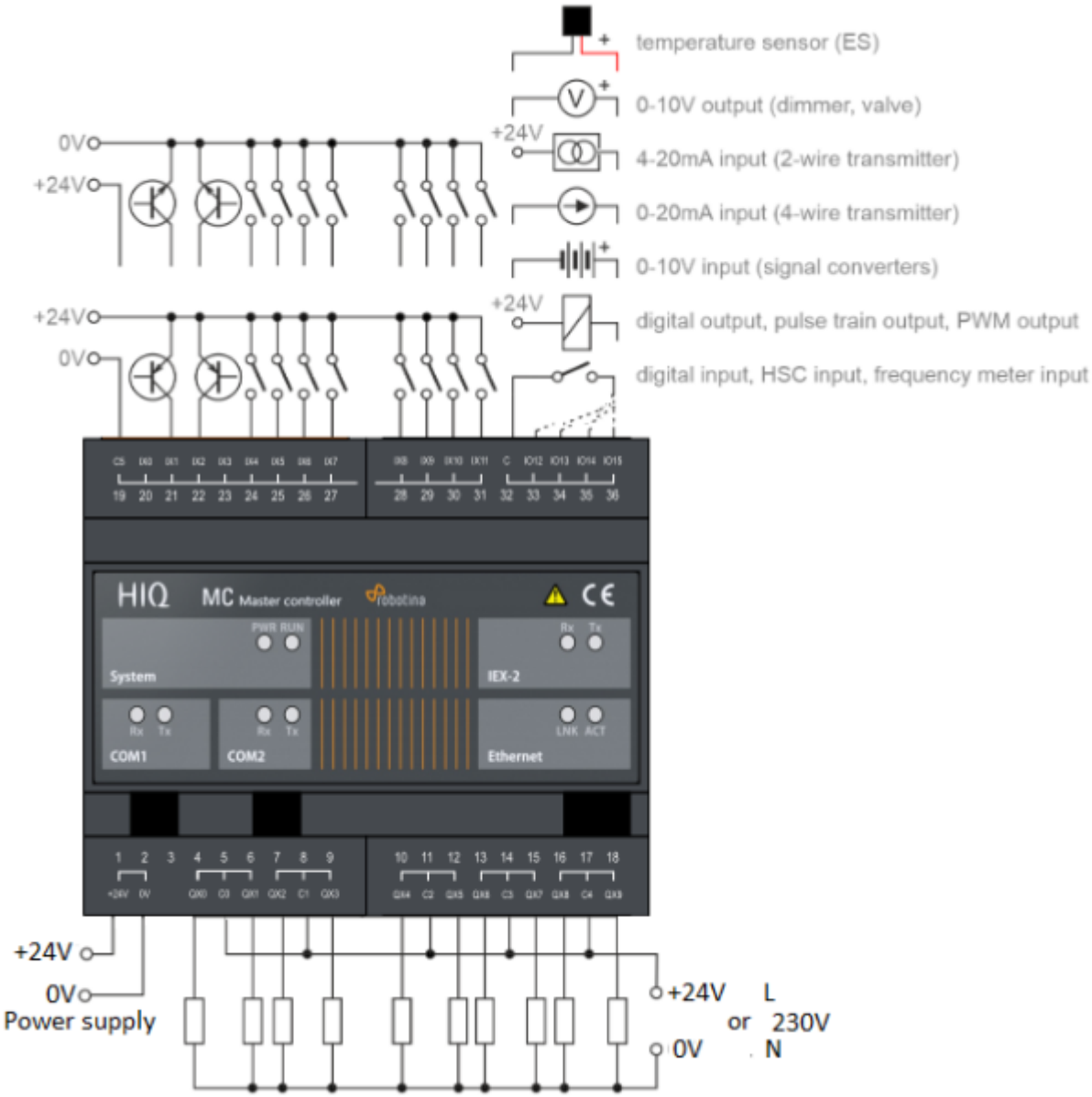
1.2. Safety standards

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

1.3. 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

1.4. Terminals



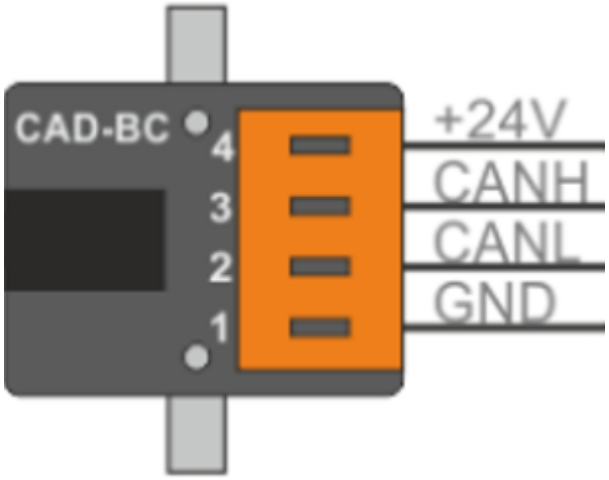
1.5. Bus Connection Cable



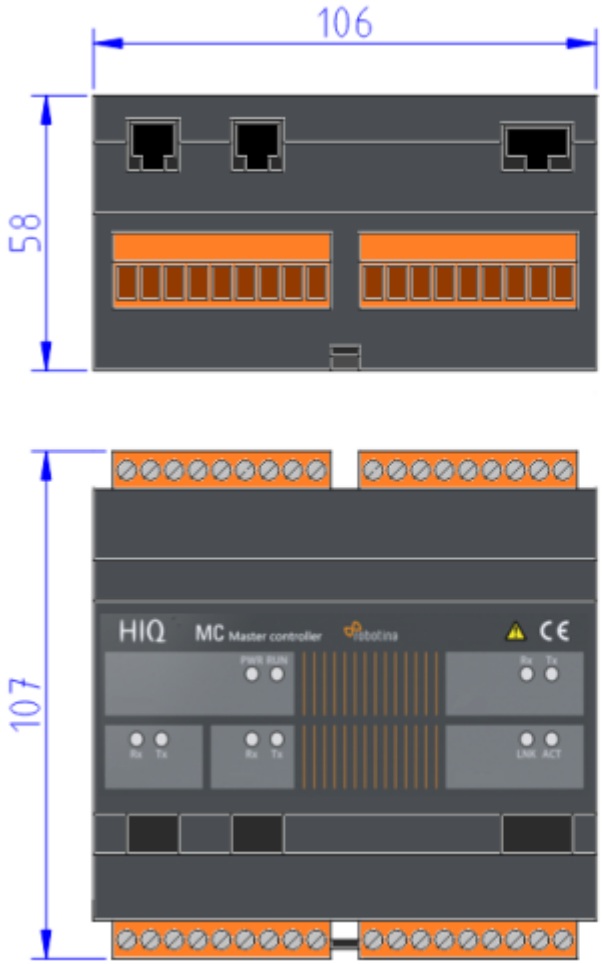
- The product includes a 2.5 cm RJ9-to-RJ9 bus cable (Order code: CAD-P0) for connection to controllers, allowing the units to be linked together.
- Longer cable versions are available under order codes CAD-Px.

1.6. 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.



1.7. Dimensions


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

