

# MC-24-05

## Advanced Controller



|               |                           |
|---------------|---------------------------|
| Model number: | <b>MC-24-05</b>           |
| Description:  | 24 VDC, 26 IO, 2x RS232   |
| Mounting:     | DIN rail(35mm), 6M, 106mm |

## Features

- 12 digital inputs
- 10 relay outputs 8 A
- 4 universal inputs/outputs
- Ethernet, USB, IEX-2, 2xRS232
- EnOcean gateway (Optional → order code: MC-24-06)
- 24 VDC power supply

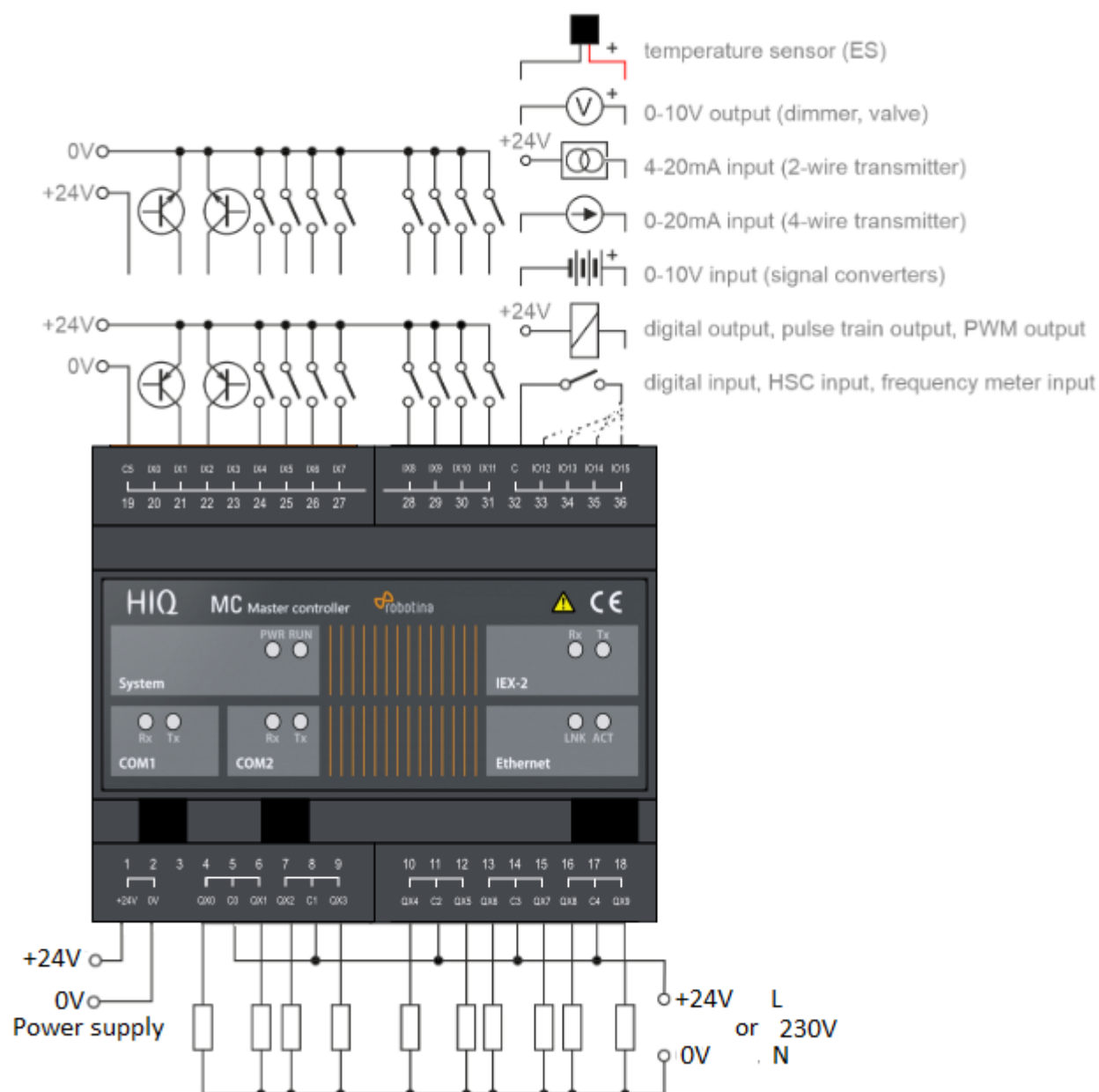
## Safety standards

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. $\pm 2$ 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



## Dimensions

