# Master Controller

### Advanced Controller




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|---|---|---|
| Model number: | **MC-24-05** | 24 VDC, 11 IO, 2 × RS232, RS485, IEX2 terminals |
| | **MC-24-06** | 24 VDC, 11 IO, 2 × RS232, RS485, IEX2 terminals, EnOcean |
| Mounting: | DIN rail(35mm), 6M, 106mm | |
| Dimensions: | 106x108x58mm | |

## Features

- 12 digital inputs
- 10 relay outputs 8 A
- 4 universal inputs/outputs
- Ethernet, USB, IEX-2, 2×RS232
- Enocean gateway (optional)
- 24 VDC power supply

## Safety standards

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

## Technical specification

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|---|---|
| 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

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