



Mini-Controller MC-01

General

The Mini-Controller was conceived for small applications. The parameters were reduced to a minimum to save the room and the costs. User may have the possibility any time to change from a mini system into a „bigger solution“. For that reason the Mini-Controller uses the same periphery modules like the more powerful Master module. With the Mini-Controller all the ISYGLT modules can be operated! The Mini-Controller controls the basic communication via the ISYGLT BUS (subnet) and must be present

in each system. All the captured datas (e.g. condition of the digital and analog inputs of the modules, times of the RC watch etc.) will be transferred to the Mini-Controller for further uses by the BUS. According to the programming the MC-01 controls the digital and analog outputs. The programming of the Mini-Controller is done by using the ProgrammDesigner. The download of the ProgrammDesigner is free of charge.

Function displays

- 1 red LED „power“ indicates the supply voltage. This LED lights up, when the supply voltage exists
- 1 flashing green LED „Betrieb“ indicates the processor function
 - steady flashing indicates „system OK, but no DCF-77 time received“
 - 2x brief flashing and now a break indicates „system OK, valid DCF-77 time received“
- 1 flashing yellow LED „Bus“ signalise a failure free data transmission via the subnet

Connections

- 1 connection for the subnet (BUS A and B, RS485)
- 1 connection for the operating voltage (Ub, 0V)
- 2 P-COM connections (subnet and operating voltage)
- 1 connection for programming > serial interface below the upper cover (only 4 pole plug contact for an optional programming cable)

Design

- Light grey plastic casing, can be snapped onto 35 mm DIN rail mounting 3 separating units

Technical data

Type	Mini-Controller
Art. Nr.	80010001
Operating voltage	12V to 35V DC or 12V to 27V AC
Current consumption	24V DC 35mA
Interface 1	RS485 for the ISYGLT subnet BUS to communicate with the modules
Interface 2	RS232 of interface to connect PC / modem
Program memory	8k program memory (no extendable) 8k scene memory (no extendable)
Connection	Screw terminals 2,5mm ² plugable
Operating temperature	-10°C ... +50°C
Storage temperature	-25°C ... +70°C
Dimensions	BxHxT 53x90x59mm (3 TE)

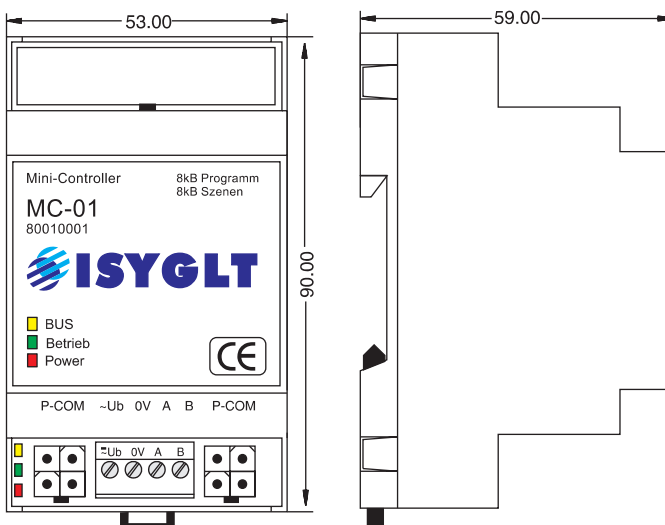
Mini-Controller	Continued
Weight	85g
Humidity	0...85% r.f. non condensing
Protection grade	IP 30
ESD immunity	Category 3 according to IEC-1000-4-2 (4 kV static)
EMV immunity	Use in typical industrial enviroment. Category 3 according to IEC-1000-4-4 (Test was carried out within a whole system)
CE sign	yes

Terminal assignment

Terminal below	
\equiv Ub	Operating voltage
0V	0V operating voltage
A	BUS A (subnet RS485)
B	BUS B (subnet RS485)

Terminal above (behind the cover)	
TxD	Interface for programming (RS232) TxD transmit line
RxD	Interface for programming (RS232) RxD received line
DTR	Interface for programming (RS232) DTR control line
GND	Interface for programming (RS232) mass

View



Wiring diagram

