

MC 6587 & MC 7687

Multi-channel Modbus Controllers for B&C Modbus Sensors

MC 6587 and MC 7687 can control up to three B&C Electronics digital probes and transmitters. If necessary, the user can connect two or three devices of the same kind, so to have a double or triple validation.

The available parameters are:

- ◆ Turbidity and suspended solids
- ◆ Dissolved oxygen
- ◆ Conductivity and TDS

Turbidity Sensors

- TU 8355** High Turbidity and Suspended Solids sensor
TU 8325 Turbidity sensor, submersible with autoclean
TU 8555 High Turbidity and Suspended Solids sensor
TU 8525 Turbidity sensor

Dissolved Oxygen Sensors

- OD 8325** In-line DO sensor
OD 8525 Submersible DO sensor with autoclean

Conductivity Sensors

- C 8825.4** Conductivity sensor



Technical Specifications

Inputs for digital probes	<ul style="list-style-type: none"> • C 8825.4 • C 8325.5 • C 8520.5 • OD 8325 • OD 8525 • TU 8325 • TU 8355 • TU 8525 • TU 8525.5 • TU 8555 • TU 8555.5
Inputs for transmitters	<ul style="list-style-type: none"> • C 3436 conductivity/TDS transmitter for 2 or 4-wire cells • CL 3436 free/combined/total/dioxide chlorine, d.ozone transmitter • PH 3436 pH/ORP transmitter
MC 6587 Keyboard	8 keys
MC 7687 Keyboard	4 keys double function
Display	multiline graphic
Dual analog output	0-20 mA / 4-20 mA Rmax 600 Ω
Digital output	isolated RS485. B&C ASCII and Modbus RTU protocols (03 function)
Dual set point HI/LO	ON/OFF - PID - PFM - PWM, SPST relays
Hysteresis	0 ÷ 10 % of the scale
Delay	0 ÷ 100.0 seconds
Alarm	SPDT relay, 0 ÷ 100.0 seconds delay
Cleaning function	off / autoclean / manual, SPDT relay repetition time 0.1 ÷ 100.0 hours cleaning time 1.0 ÷ 60.0 seconds holding time 0.0 ÷ 20.0 minutes
SPST and SPDT relay contacts	220V - 5 A resistive load
Operating temperature	-10 ÷ 60 °C
Humidity	95% without condensation
Power supply	85 ÷ 264Vac - 50/60 Hz
Low voltage power supply	9 ÷ 36 Vdc, 12 ÷ 24 Vac (option 091.42x)
Terminal blocks	removable
Weight	1360 g (MC 6587) 450 g (MC 7687)
Enclosure	ABS, IP 65 protection (MC 6587) Metallic, IP 65 front panel only (MC 7687)
Dimensions	256x230x89 mm (MC 6587) 98x98x104 mm, 90x90x95 mm panel cutout (MC 7687)
EMC/RFI conformity	EN 61326-2-3/2013 – EN 55011/2009
Ornamental design nbr.	002564666-002 (MC 6587) - 002564666-003 (MC 7687)