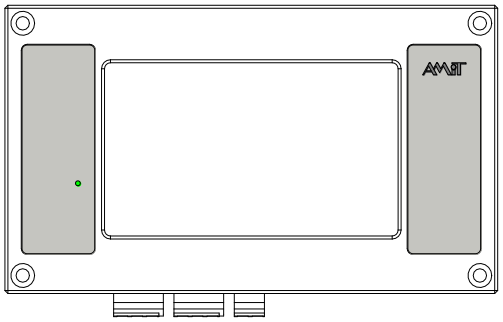
AMR-OP84

Control terminal / regulator

- **TFT 4.3“, 480 × 272**
- **Resistive touch panel**
- **2 × RS485, Ethernet 10/100 Mbps**
- **Integrated web server**
- **Slot for Micro SD card**
- **Power supply 24 V DC**
- **Mounting into front panel**



TECHNICAL DATA

Processor	STM32F427
Memory FLASH / EEPROM	2 MB + 16 MB / 32 KB
Backed-up RAM memory	4 MB
RTC	CPU
Precision (25 °C)	±20 ppm
RAM + RTC backup	BR2477 Lithium battery
Battery lifetime	5 years in normal environment
Display	TFT, 4.3“
Resolution	(480 × 272) pixels
Visible area	(95.0 × 53.9) mm
Backlight / lifetime	White LED / 20 000 hours
Control	Resistive touch panel
Communication	
Serial communication channel	2 × RS485 (WAGO connectors)
Galvanic separation	1 × Yes, 1 × No
Number of devices on RS485 segment	RS485 GO 256 RS485 32
Ethernet	IEEE802.3 (connector RJ45)
Power supply	19.2 V DC to 28.8 V DC
Power consumption	Max. 150 mA at 24 V DC
Others	
Ingress protection rate – front panel back cover	IP65 IP20
Operating temperature	-20 °C to 70 °C *)
Maximum ambient humidity	< 95 % non-condensing
Mounting	into switchboard front panel
Weight	0.52 kg
Dimensions (w × h × d)	(166 × 96 × 39) mm
Programming	DetStudio / EsiDet

*) When the temperature reaches 40 °C – maximum backlight level is reduced, when the temperature goes above 70 °C – the display is switched off.

ORDERING INFORMATION

AMR-OP84	Control terminal, WAGO connectors

AMiT, spol. s r.o., Naskové 1100/3, 150 00 PRAGUE, Czech Republic
Tel.: +420 222 780 100, +420 222 781 516, Fax: +420 222 782 297
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Technical support: support@amit.cz
Tel.: +420 549 210 276, +420 549 210 403
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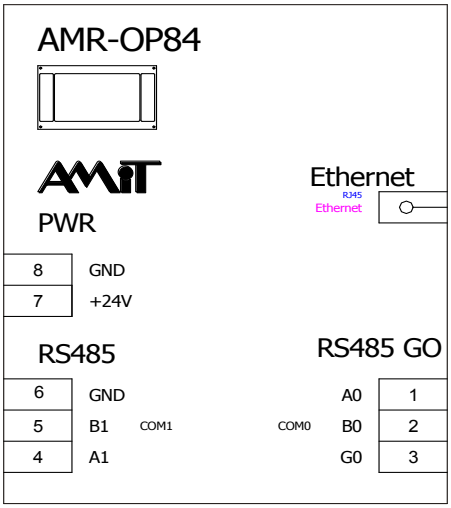
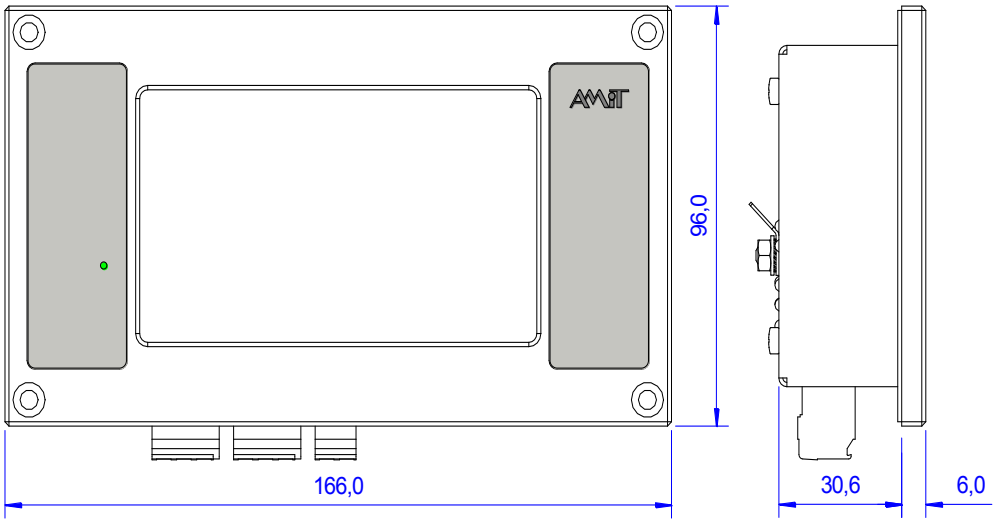
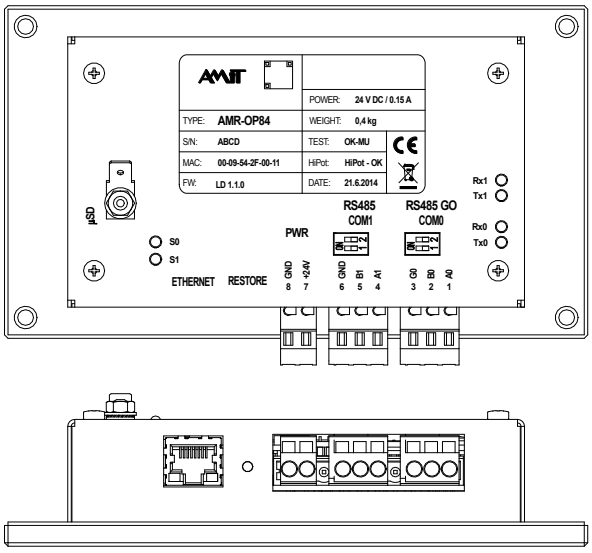
RECOMMENDED DRAWING SYMBOL



MECHANICAL DRAWING



TERMINAL'S IDENTIFICATION



RS485 with galvanic separation

Terminal	Label	Meaning
1	A0	RS485 line with GS, signal A
2	B0	RS485 line with GS, signal B
3	G0	RS485 line with GS, GND

RS485 without galvanic separation

Terminal	Label	Meaning
4	A1	RS485 line, signal A
5	B1	RS485 line, signal B
6	GND	RS485 line, GND

Power supply

Terminal	Label	Meaning
7	+24V	Power supply +24 V DC
8	GND	Power supply, GND

Data provided in this datasheet are only informative. Detailed information can be found in operational manual (**am-op84_g_en_xxx.pdf**). Documentation and examples can be downloaded from www.amitomation.com web site.

Usage of system peripherals depends on current possibilities of DetStudio / EsiDet development environment.