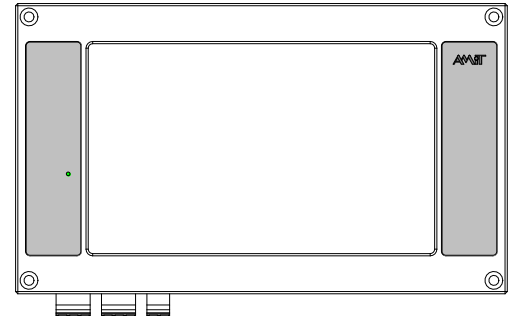


# AMR-OP87/G RevA

Control HMI

- TFT 7", (800 × 480) pixels
- Resistive touch panel
- 2× RS485, GSM, Ethernet 10/100 Mbps
- Integrated web server
- MicroSD card slot
- Power supply 24 V DC
- Mounting into the front panel



## TECHNICAL DATA

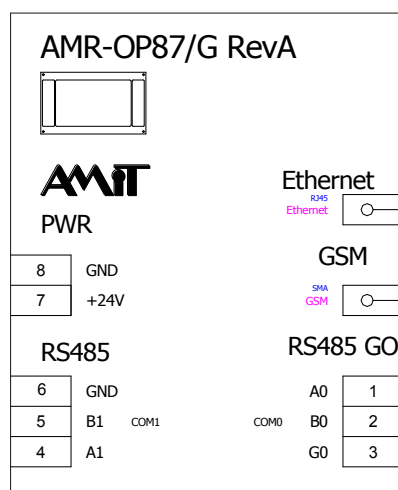
<b>Processor</b>	STM32F437
Memory Flash / EEPROM	2 MB + 16 MB / 32 KB
Backed-up RAM memory / SDRAM	4 MB / 16 MB
<b>RTC</b>	CPU
Accuracy (25 °C)	± 20 ppm
<b>RAM + RTC back-up</b>	BR2477 lithium battery removable module
Battery lifetime	5 years in normal environment
<b>Display</b>	TFT, 7"
Resolution	(800 × 480) pixels
Visible area	(152.4 × 91.4) mm
Backlight / lifetime	White LED / 20,000 hours
<b>Operation</b>	Resistive touch panel
<b>Communication</b>	
Serial communication channel	2× RS485 (WAGO connectors)
Galvanic isolation	1× Yes, 1× No
Max. number of stations per RS485 segment	RS485 GO 256 RS485 32
Ethernet	IEEE802.3 (RJ45 connector)
GSM modem	Yes
Connection point	SMA
SIM card type	Mini (2FF)
<b>Power supply</b>	19.2 V DC to 28.8 V DC
Consumption	Max. 200 mA at 24 V DC
<b>Other</b>	
Ingress protection rate – front panel	IP65
– rear panel	IP20
Operating temperature	-20 °C to 70 °C *)
Maximum ambient humidity	< 95 % non-condensing
Mounting	Into the switchboard front panel
Weight	0.86 kg
Dimensions (w × h × d)	(220 × 130 × 46) mm
Programming	DetStudio / EsiDet

\*) At temperatures above 40 °C, the maximum backlight level is reduced; at temperatures above 70 °C, the display turns off.

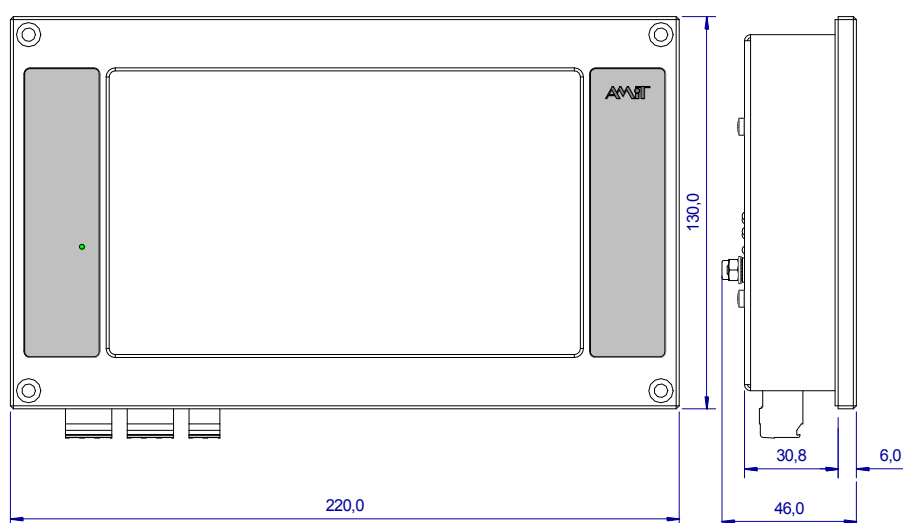
## ORDERING INFORMATION

<b>AMR-OP87/G RevA</b>	Control HMI, WAGO connectors
------------------------	------------------------------

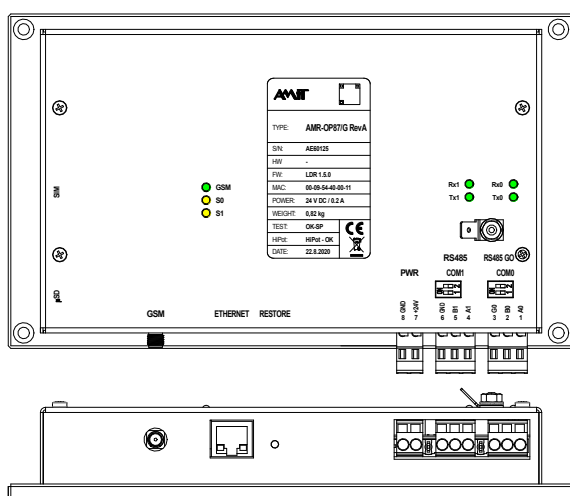
## RECOMMENDED DRAWING SYMBOL



## MECHANICAL DRAWING



## DESCRIPTION OF TERMINALS



### RS485 with galvanic isolation

Terminal	Designation	Significance
1	A0	RS485 interface with GI, signal A
2	B0	RS485 interface with GI, signal B
3	G0	RS485 interface with GI, GND

### RS485 without galvanic isolation

Terminal	Designation	Significance
4	A1	RS485 interface, signal A
5	B1	RS485 interface, signal B
6	GND	RS485 interface, GND

### Power supply

Terminal	Designation	Significance
7	+24V	Power supply, +24 V DC
8	GND	Power supply, GND

Data in this datasheet is informative only. Binding detailed information can be found in the operation manual ([amr-op87g\\_reva\\_g\\_en\\_xxx.pdf](#)). Documentation and examples are available at [amitautomation.com](http://amitautomation.com).

*The manner of usage of the system peripheries is determined by the current options of DetStudio / EsiDet.*