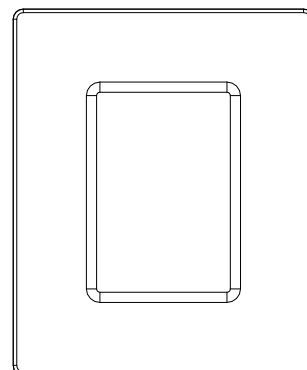


AMR-OP71C/xx

Programmable on-wall controller

- Graphical black & white LCD
- Touch screen control
- Communication interface RS485
- Room temperature measurement
- CO₂ concentration measurement
- Acoustic signalization (controlled from user application)
- On-wall mounting
- Power supply 24 V DC



TECHNICAL DATA

Display	Graphical black & white LCD
Resolution	(64 × 132) pixels (non-symmetric point)
Display area	(58 × 38) mm
Backlight / lifetime	LED / min. 50 000 hours ¹⁾
Temperature measuring	Semiconductor sensor
Measuring range	-55 °C to 125 °C ²⁾
Accuracy	±2 °C (-55 °C to 0 °C) ±0.5 °C (0 °C to 50 °C) ±2 °C (50 °C to 125 °C)
Settling time	45 min. ³⁾
CO₂ concentration measurement	NDIR
Measuring range	400 ppm to 3000 ppm
Measuring precision	±150 ppm
Settling time	90 s
Acoustic signalization	Piezo buzzer
Control	Resistive touch panel
Communication	RS485
Galvanic isolation	No
Number of devices on RS485 segment	256
Power supply	10 V DC to 30 V DC
Maximum power consumption	70 mA at 24 V DC
Power outage (type)	0.8 W
Others	
Connection points	CHF5/2 terminal
Ingress protection rate	IP20
Operating temperature range	-10 °C to 50 °C
Maximum ambient humidity	< 95 %, non-condensing
Mounting	On the wall
Weight	0.12 kg
Dimensions (w × h × d)	(90 × 110 × 29) mm
Programming	DetStudio / EsiDet

¹⁾ The drop in intensity to 50 %.

²⁾ Parameter itself, the range of working temperature sensor wall drivers is lower.

³⁾ Power-on time, at this time, the accuracy of measurement is reduced to ±2 °C.

ORDERING INFORMATION

AMR-OP71C/xx	On-wall controller
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	Colour of the tub	Colour of the cover
AMR-OP71C/01	Black	Platinum
AMR-OP71C/02	Black	Shiny metallic

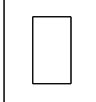
Note: Small depressions on the surface and inhomogeneity of colours are not a reason for complaint.

TERMINAL IDENTIFICATION

Terminal	Signal	Description
1	+24V	Power supply +24 V DC
2	GND	Ground
3	B	RS485 line, signal B
4	A	RS485 line, signal A

RECOMMENDED DRAWING SYMBOL

AMR-OP71C/xx

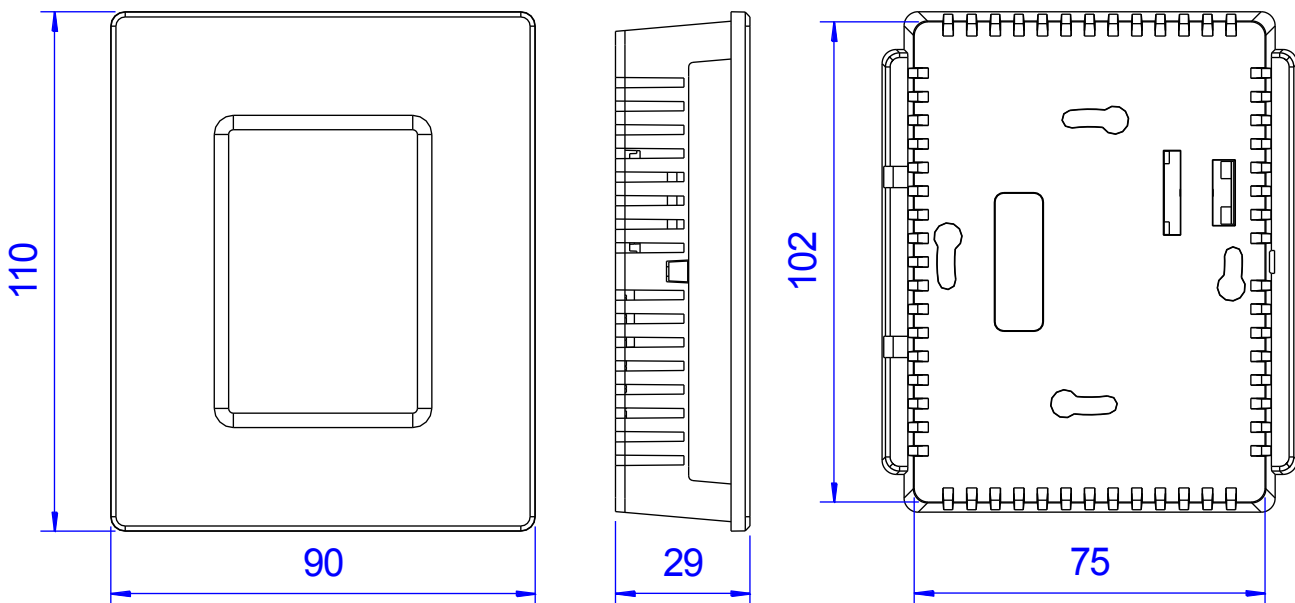


AMIT

PWR, RS485

1	+24V
2	GND
3	B
4	A

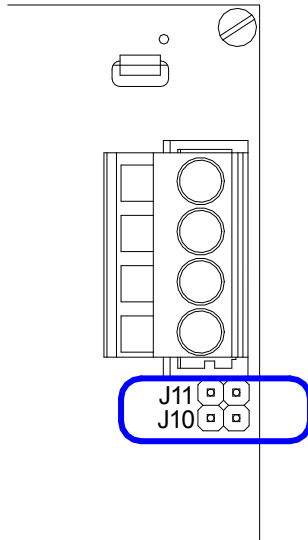
MECHANICAL DIMENSIONS



AMR-OP71C/xx

Programmable on-wall controller

RS485 CONFIGURATION JUMPERS



Each unit on RS485 communication line must have line termination resistors set properly. Configuration jumpers, located under the cover, near the RS485 connector, are used for line termination. When jumpers are fitted, line termination is connected. Line terminating stations must have the termination always connected, intermediate stations – disconnected.

Jumper	Description
J10	Signal A idle state + termination
J11	Signal B idle state + termination

Data provided in this datasheet are informative only. Detailed information can be found in operational manual ([amr-op71cxx_g_en_xxx.pdf](#)). Documentation can be downloaded from www.amitation.com.