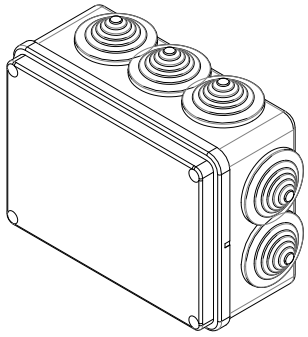
# AMR-IRC10

Room Controller

- **1 × analogue input 0 V to 10 V**
- **4 × analogue output 0 V to 10 V**
- **1 × passive contact**
- **2 × digital output 24 V DC**
- **2 × RS485**
- **Power supply 24 V DC**



## TECHNICAL DATA

| | |
|---|---|
| **Analogue inputs** | 1 × |
| Type | Voltage, 0 V DC to 10 V DC |
| Galvanic separation | No |
| Repeated measurement accuracy | 0,5 % |
| **Analogue outputs** | 4 × |
| Type | Voltage, 0 V DC to 10 V DC |
| Max. output current | 1 mA DC |
| Output resistor | 120 Ω |
| Galvanic separation | No |
| Accuracy | < 1,2 % |
| **Digital input** | 1 × |
| Type | Passive contact |
| Galvanic separation | No |
| **Digital outputs** | 2 × |
| Type | MOS, 24 V DC ±20 % |
| Galvanic separation | Yes *) |
| Max. output current | 0,5 A DC |
| **Communication RS485** | 2 × |
| Galvanic separation | 1 × Yes, 1 × No |
| Max. number of units on RS485 segment | 31 (line without GS)<br>256 (line with GS) |
| **Power supply** | 24 V DC ±20 % |
| Power consumption (without outputs) | Max. 150 mA at 24 V DC |
| **Others** | |
| Cover protection rate | IP55 |
| Operating temperature | 0 °C to 50 °C |
| Max. ambient humidity | < 95 % non-condensing |
| Connection terminals | WAGO 256 cage clamp connectors |
| Mounting | On-wall |
| Weight | 400 g |
| Dimensions (w × h × d) | (179 × 133 × 73) mm |
| **Programming** | DetStudio / EsiDet |

*) Insulation strength 500 V AC / 1 minute, galvanic separation may not be used for safe and unsafe parts separation.

## ORDERING INFORMATION

| | |
|---|---|
| **AMR-IRC10/04** | Room controller, user's manual, warranty card |



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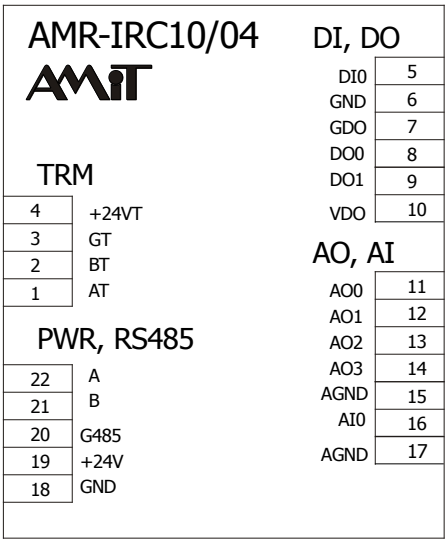
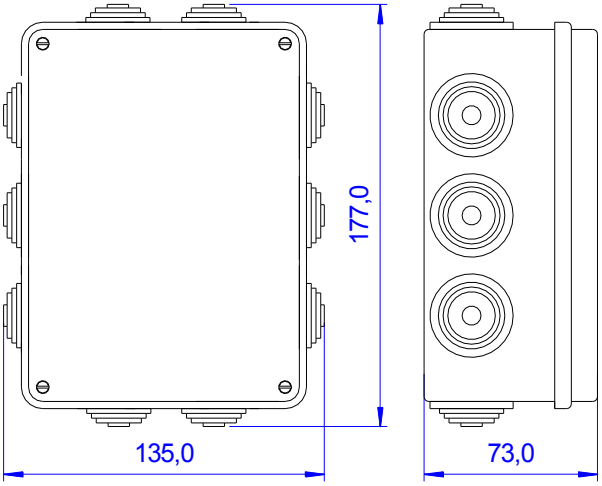
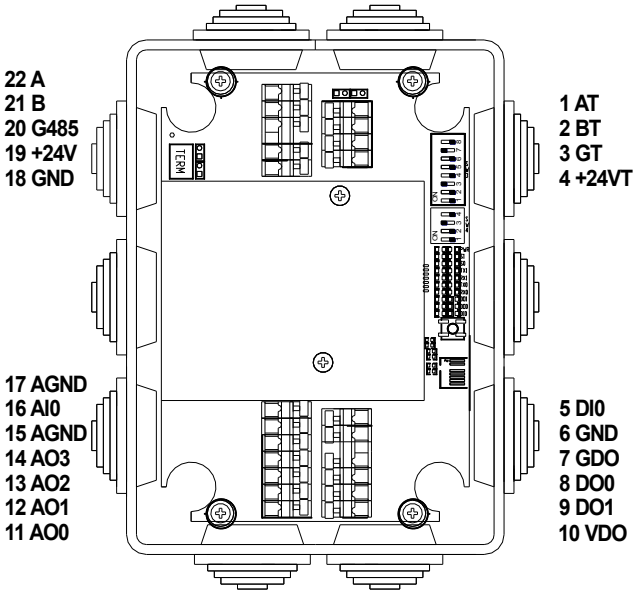
## RECOMMENDED DIAGRAM SYMBOL




## PHYSICAL DIMENSIONS




## TERMINAL LOCATION




## TERMINALS ASSIGNMENT

| Terminal | Label | Assignment | Terminal | Label | Assignment |
|---|---|---|---|---|---|
| 1 | AT | RS485, A line (line without GS) | 12 | AO1 | Analogue output 1 |
| 2 | BT | RS485, B line (line without GS) | 13 | AO2 | Analogue output 2 |
| 3 | GT | RS485 ground | 14 | AO3 | Analogue output 3 |
| 4 | +24VT | Power supply output | 15 | AGND | Analogue ground |
| 5 | DI0 | Digital input | 16 | AI0 | Analogue output |
| 6 | GND | Ground | 17 | AGND | Analogue ground |
| 7 | GDO | Digital outputs - ground | 18 | GND | Power supply – ground |
| 8 | DO0 | Digital output 0 | 19 | +24V | Power supply – +24 V DC |
| 9 | DO1 | Digital output 1 | 20 | G485 | RS485 – ground |
| 10 | VDO | Digital outputs – power supply | 21 | B | RS485, B line (line with GS) |
| 11 | AO0 | Analogue output 0 | 22 | A | RS485, A line (line with GS) |