

# MRU-300

The **MRU-300** radio signal repeater receives transmissions from **MICRA** wireless devices and retransmits them. It works with the **PERFECTA** control panels (**WRL** models and **PERFECTA 64 M** equipped with **PERFECTA-RF** module), **VERSA-MCU** controller, **MTX-300** controller, **MICRA** alarm module (firmware version 2.02 or newer).

- support for the following **MICRA** wireless system devices:
  - **MFD-300**, **MGD-300**, **MMD-300**, **MMD-302**, **MPD-300**, **MPD-310**, **MPD-310 Pet**, **MSD-300**, **MSD-350**, **MXD-300**, **MXD-300 BR** detectors
  - **MPT-350** keyfobs
  - **MKP-300** wireless keypads
- encrypted radio communication in the 433 MHz frequency band
- LED indicator of the repeater status
- tamper protection against opening of the enclosure
- 230 V AC supply
- built-in switching power supply
- short circuit protection of the power input
- backup battery
- battery charging circuit
- battery status supervision and low battery disconnect circuit



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|--|---------------------|
| Enclosure dimensions   | 126 x 158 x 32 mm   |
| Board dimensions   | 87 x 104 mm         |
| Operating temperature range  | -10°C...+55°C       |
| Supply voltage (±15%)  | 230 V AC, 50-60 Hz  |
| Standby mode current consumption   | 8 mA                |
| Max. current consumption   | 15 mA               |
| Weight   | 266 g               |
| Maximum humidity   | 93±3%               |
| Operating frequency band   | 433,05 ÷ 434,79 MHz |
| Environmental class according to EN50130-5                               | II                  |
| Lithium-ion battery  | 3,7 V / 1800 mAh    |
| Radio communication range (in open area) for PERFECTA                    | up to 500 m         |
| Radio communication range (in open area) for MICRA / VERSA-MCU / MTX-300 | up to 450 m         |