

# MPD-300

## WIRELESS MOTION DETECTOR FOR MICRA SYSTEM

Motion detector, whose function is to detect an intruder moving within the system protected area. Owing to its pet immunity, the MPD-300 can provide protection even if small animals, such as small dogs or cats, are moving in its coverage range at the time of supervision. A lithium battery used to power the device ensures many years of work without having to replace it, so the system is as easy to use as the traditional wired solutions.

### Features:

- compatible with **MICRA** alarm module, **PERFECTA 16-WRL**, **PERFECTA 32-WRL**, **PERFECTA 32-WRL LTE**, **PERFECTA-IP 32-WRL**, **PERFECTA-T 32-WRL** and **PERFECTA 64 M** (equipped with **PERFECTA-RF** module) control panels as well as **VERSA-MCU** and **MTX-300** wireless system controllers,
- radio signals from a detector can be retransmitted by **MRU-300**
- digital detection algorithm with temperature compensation for high immunity to false alarms and repeatability of parameters,
- ability to change sensitivity to match optimum detector parameters to the protected space,
- optional operating mode with up to 15kg pet immunity, which allows protection of areas where there are pets,
- energy management system to enable many years of operation without having to replace the CR123A lithium battery,
- LED indicating violations in test mode, for easy start-up and subsequent maintenance of the system,
- detection of tamper, e.g. opening enclosure, ripping away from mounting surface

### Application:

Protection of small-size buildings, such as kiosks, summer houses, boutiques, freestanding garages and workshops

### Delivery set:

Detector, adjustable handle, back tamper unit, CR123A lithium battery, mounting elements, user manual

## TECHNICAL DATA

|  |                                    |
|--|------------------------------------|
| Detected target velocity   | 0,3...3 m/s                        |
| Enclosure dimensions   | 63 x 96 x 49 mm                    |
| Operating temperature range  | -10...+55 °C                       |
| Recommended mounting height  | 2,4 m                              |
| Max. current consumption   | 58 mA                              |
| Weight   | 111 g                              |
| Maximum humidity   | 93 ±3%                             |
| Operating frequency band   | 433,05 ÷ 434,79 MHz                |
| Battery  | CR123A 3V                          |
| Standby current consumption  | 55 µA                              |
| Battery working time (energy save mode, in years)                                | up to 2 lat                        |
| Environmental class according to EN50130-5                                       | II                                 |
| Complied with standards  | EN 50131-1, EN 50130-4, EN 50130-5 |
| Warm-up period   | 15 s                               |
| Radio communication range (in open area) for PERFECTA                            | up to 600 m                        |
| Radio communication range (in open area) for MICRA / VERSA-MCU / MTX-300         | up to 500 m                        |
| Radio communication range (in open area) for MRU-300                             | up to 400 m                        |
| Detection area (normal sensitivity)  | 14 m x 12 m, 86°                   |
| Detection area (high sensitivity)  | 16 m x 18 m, 91°                   |
| Security grade according to EN 50131-2-2 (detector mounted directly to the wall) | Grade 2                            |