

# 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