MPD-310

WIRELESS PIR MOTION DETECTOR

The **MPD–310** detector detects motion within the protected area. It is supported by 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).

- motion detection using a passive infrared (PIR) sensor
- wide angle lens with a maximum coverage area of 18x16.5 m
- optional use of a curtain lens (in the **CT–CL** cover) or a long–range lens (in the **LR–CL** cover)
- digital motion detection algorithm
- digital temperature compensation
- option to enable / disable creep zone control
- encrypted radio communication in the 433 MHz frequency band
- radio signals from a detector can be retransmitted by **MRU–300**
- LED indicators
- supervision of the motion detection circuit
- battery status control
- tamper protection against opening of the enclosure and removal from mounting

TECHNICAL DATA

Detected target velocity	0,3...3 m/s
Enclosure dimensions	62 x 137 x 42 mm
Operating temperature range	-10°C...+55°C
Recommended mounting height	2,4 m
Max. current consumption	48 mA
Weight	147 g
Maximum humidity	93±3%
Operating frequency band	433,05 ÷ 434,79 MHz
Battery	CR123A 3V
Standby current consumption	45 µA
Battery working time (energy save mode, in years)	up to 3 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 250 m
Detection area (normal sensivity)	14 m x 11,5 m, 82°
Detection area (high sensivity)	18 m x 16,5 m, 92°
Security grade according to EN 50131-2-2 (detector mounted directly to the wall)	Grade 2