

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

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| 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 sensitivity) | 14 m x 11,5 m, 82° |
| Detection area (high sensitivity) | 18 m x 16,5 m, 92° |
| Security grade according to EN 50131-2-2 (detector mounted directly to the wall) | Grade 2 |

