

MXD-300

WIRELESS MULTIPURPOSE DETECTOR

The MXD-300 detector is designed to operate within the **MICRA** wireless system. It is a multipurpose device capable of working as a magnetic contact, magnetic contact with input for roller shutter detector, shock detector, shock detector and magnetic contact or water flood detector.

It is supported by: **PERFECTA** (WRL models and **PERFECTA 64 M** equipped with **PERFECTA-RF** module) alarm control panels, **VERSA-MCU** controller, **MTX-300** controller, **MICRA** alarm module (firmware version 2.02 or newer). Radio signals from the detector can be retransmitted by **MRU-300** radio signal repeater.

Available in two color options: white (**MXD-300**) or brown (**MXD-300 BR**).

- option to select detector type using jumpers
- operating modes:
 - magnetic contact / magnetic contact with input for roller shutter detector
 - detection of opening of a door, window, etc.
 - input for connecting an NC type wired detector
 - input for connecting a wired detector with roller shutter input (magnetic with roller shutter input)
 - shock detector / shock detector and magnetic contact
 - detection of shocks and vibrations associated with attempts to force a door or window
 - detection of opening of a door, window, etc. (shock and magnetic detector)
 - water flood detector
 - detection of flooding in rooms with plumbing
 - input for connecting an external flood probe **FPX-1** (white), **FPX-1 BR** (brown) or **FPX-1 DG** (dark gray) – the probe available separately
- encrypted radio transmissions in the 433 MHz frequency band
- battery status control
- LED indicator
- tamper protection against enclosure opening and removal from mounting surface
- 2 magnets included (for surface and flush mounting)



TECHNICAL DATA

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| Battery working time (in years) | up to 2 |
| Operating temperature range | -10°C...+55°C |
| Max. current consumption | 22 mA |
| Weight | 77 g |
| Maximum humidity | 93±3% |
| Operating frequency band | 433,05 ÷ 434,79 MHz |
| Battery | CR123A 3V |
| Environmental class according to EN50130-5 | II |
| Detector enclosure dimensions | 26 x 112 x 29 mm |
| Complied with standards | EN 50130-4, EN 50130-5, EN 50131-1, EN 50131-2-6, EN 50131-5-3 |
| Security grade according to EN50131-2-6 | Grade 2 |
| 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 |
| Magnet enclosure dimensions - surface mounting | 26 x 13 x 19 mm |
| Magnet pad dimensions - surface mounting | 26 x 13 x 3,5 mm |
| Magnet pad dimensions - recessed mounting | ø10 x 28 mm |
| Shock detection range (depending on the type of mounting surface) | up to 3 m |
| Radio communication range (in open area) for MRU-300 | up to 300 m |
| M/F input sensitivity (M - NC input) | 300 ms |
| M/F input sensitivity (F - NO input) | 1,5 s |
| Stand-by current consumption (shock sensor OFF) | 72 µA |
| Stand-by current consumption (shock sensor ON) | 88 µA |
| Maximum gap for side reed switch - surface magnet (magnetic detector) | 15 mm |
| Maximum gap for side reed switch - recessed magnet (magnetic detector) | 20 mm |
| Maximum gap for the top reed switch - surface magnet (magnetic detector) | 25 mm |