

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)
 - o 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)
 - o 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

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	ll l
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 μΑ
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