

MXD-300

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
 - $\hfill \blacksquare$ 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)





Maximum gap for side reed switch - recessed magnet (magnetic detector) 15 mm Maximum gap for side reed switch - surface magnet (magnetic detector) 15 mm Stand-by current consumption (shock sensor ON) 88 μA Stand-by current consumption (shock sensor OFF) 72 μA MF input sensitivity (F - NO input) 300 ms Radio communication range (in open area) for MRU-300 μp to 300 ms Radio communication range (depending on the type of mounting surface) μp to 300 ms Magnet pad dimensions - recessed mounting 62 x 13 x 3,5 mm Magnet pad dimensions - surface mounting 62 x 13 x 19 mm Magnet pad dimensions - surface mounting 62 x 13 x 19 mm Battery working time (in years) up to 2 Radio communication range (in open area) for PERFECTA up to 600 m Security grade according to EN50131-2-6 Grade 2 Complied with standards EN 50130-4, EN 50131-1, EN 50131-2-6, EN 50131-5 Detector enclosure dimensions 26 x 112 x 29 mm Environmental class according to EN50130-5 Il Battery GR123A 3V Operating frequency band 433,05 ± 434,79 MHz Maximum humidity 93±3% <	Radio communication range (in open area) for MICRA / VERSA-MCU / MTX-300	up to 500 m
Maximum gap for side reed switch - surface magnet (magnetic detector) 15 mm Stand-by current consumption (shock sensor ON) 88 μA Stand-by current consumption (shock sensor OFF) 72 μA MF input sensitivity (F - NO input) 1,5 s MF input sensitivity (M - NC input) 300 ms Radio communication range (in open area) for MRU-300 up to 300 m Shock detection range (depending on the type of mounting surface) up to 3 m Magnet pad dimensions - recessed mounting 60 x 13 x 3,5 mm Magnet pad dimensions - surface mounting 26 x 13 x 3,5 mm Magnet enclosure dimensions - surface mounting 26 x 13 x 19 mm Battery working time (in years) up to 2 Radio communication range (in open area) for PERFECTA up to 600 m Security grade according to EN50131-2-6 Grade 2 Complied with standards EN 50130-4, EN 50130-5, EN 50131-1, EN 50131-2-6, EN 50131-53 Detector enclosure dimensions 1 Environmental class according to EN50130-5 I Environmental class according to EN50130-5 I Battery CR122A 3 V Operating frequency band 430,5 ± 434,79 MHz M	Maximum gap for the top reed switch - surface magnet (magnetic detector)	25 mm
Stand-by current consumption (shock sensor ON) 88 μA Stand-by current consumption (shock sensor OFF) 72 μA MF input sensitivity (F - NO input) 1.5 s MF input sensitivity (M - NC input) 300 ms Readio communication range (in open area) for MRU-300 up to 300 m Shock detection range (depending on the type of mounting surface) up to 3 m Magnet pad dimensions - recessed mounting 610 x 28 mm Magnet pad dimensions - surface mounting 26 x 13 x 3,5 mm Magnet pad dimensions - surface mounting 26 x 13 x 3,5 mm Magnet enclosure dimensions - surface mounting 26 x 13 x 3,5 mm Magnet pad dimensions - surface mounting 26 x 13 x 3,5 mm Magnet pad dimensions - surface mounting 26 x 13 x 3,5 mm Magnet pad dimensions - surface mounting 6 x 6x 13 x 3,5 mm Battery working time (in years) qub to 600 m Security grade according to EN50131-2-6 Grade 2 Complied with standards EN 50130-4, EN 50130-5, EN 50131-1, EN 50131-2-6, EN 50131-53 Detector enclosure dimensions 26 x 112 x 29 mm Environmental class according to EN50130-5 I Battery CR 123 x 3	Maximum gap for side reed switch - recessed magnet (magnetic detector)	20 mm
Stand-by current consumption (shock sensor OFF) 72 µA M/F input sensitivity (F - NO input) 1,5 s M/F input sensitivity (M - NC input) 300 ms Radio communication range (in open area) for MRU-300 up to 300 m Shock detection range (depending on the type of mounting surface) up to 3 m Magnet pad dimensions - recessed mounting 610 x 28 mm Magnet pad dimensions - surface mounting 26 x 13 x 3,5 mm Magnet enclosure dimensions - surface mounting 26 x 13 x 19 mm Battery working time (in years) up to 2 Radio communication range (in open area) for PERFECTA up to 600 m Security grade according to EN50131-2-6 Grade 2 Complied with standards EN50130-4, EN 50130-5, EN 50131-1, EN 50131-2-6, EN 50131-53 Detector enclosure dimensions 26 x 112 x 29 mm Environmental class according to EN50130-5 Il Battery GR123A 3V Operating frequency band 433,05 ÷ 434,79 MHz Maximum humidity 93±3% Weight 77 g Max. current consumption 2 m A	Maximum gap for side reed switch - surface magnet (magnetic detector)	15 mm
MF input sensitivity (F - NO input) 1,5 s MF input sensitivity (M - NC input) 300 ms Radio communication range (in open area) for MRU-300 up to 300 m Shock detection range (depending on the type of mounting surface) up to 3 m Magnet pad dimensions - recessed mounting 60 x 13 x 3,5 mm Magnet pad dimensions - surface mounting 26 x 13 x 19 mm Magnet enclosure dimensions - surface mounting 26 x 13 x 19 mm Battery working time (in years) up to 2 Radio communication range (in open area) for PERFECTA up to 600 m Security grade according to EN50131-2-6 Grade 2 Complied with standards EN50130-4, EN 50130-5, EN 50131-1, EN 50131-2-6, EN 50131-53 Detector enclosure dimensions 26 x 112 x 29 mm Environmental class according to EN50130-5 Il Battery CR123A 3V Operating frequency band 433,05 x 434,79 MHz Maximum humidity 93±3% Weight 77 g Max. current consumption 22 mA	Stand-by current consumption (shock sensor ON)	88 μΑ
M/F input sensitivity (M - NC input) 300 ms Radio communication range (in open area) for MRU-300 up to 300 m Shock detection range (depending on the type of mounting surface) up to 3 m Magnet pad dimensions - recessed mounting 610 x 28 mm Magnet pad dimensions - surface mounting 26 x 13 x 3,5 mm Magnet enclosure dimensions - surface mounting 26 x 13 x 19 mm Battery working time (in years) up to 2 Radio communication range (in open area) for PERFECTA up to 600 m Security grade according to EN50131-2-6 Grade 2 Complied with standards EN50130-4, EN 50130-5, EN 50131-1, EN 50131-2-6, EN 50131-53 Detector enclosure dimensions 1 Environmental class according to EN50130-5 Il Battery CR123A 3V Operating frequency band 433,05 ± 434,79 MHz Maximum humidity 93±3% Weight 77 g Max. current consumption 22 mA	Stand-by current consumption (shock sensor OFF)	72 µA
Radio communication range (in open area) for MRU-300 up to 300 m Shock detection range (depending on the type of mounting surface) up to 3 m Magnet pad dimensions - recessed mounting 610 x 28 mm Magnet pad dimensions - surface mounting 26 x 13 x 3,5 mm Magnet enclosure dimensions - surface mounting 26 x 13 x 19 mm Battery working time (in years) up to 2 Radio communication range (in open area) for PERFECTA up to 60 m Security grade according to EN50131-2-6 Grade 2 Complied with standards EN50130-4, EN 50130-5, EN 50131-1, EN 50131-2-6, EN 50131-5-3 Detector enclosure dimensions 1 Environmental class according to EN50130-5 II Battery CR123A3V Operating frequency band 433,05 ± 434,79 MHz Maximum humidity 93±3% Weight 77 g Max. current consumption 22 mA	M/F input sensitivity (F - NO input)	1,5 s
Shock detection range (depending on the type of mounting surface) up to 3 m Magnet pad dimensions - recessed mounting e10 x 28 mm Magnet pad dimensions - surface mounting 26 x 13 x 3,5 mm Magnet enclosure dimensions - surface mounting 26 x 13 x 19 mm Battery working time (in years) up to 2 Radio communication range (in open area) for PERFECTA up to 600 m Security grade according to EN50131-2-6 Grade 2 Complied with standards EN 50130-4, EN 50130-5, EN 50131-1, EN 50131-2-6, EN 50131-5-3 Detector enclosure dimensions 26 x 112 x 29 mm Environmental class according to EN50130-5 II Battery CR123A 3V Operating frequency band 433,05 ÷ 434,79 MHz Maximum humidity 39±3% Weight 77 g Max. current consumption 22 mA	M/F input sensitivity (M - NC input)	300 ms
Magnet pad dimensions - recessed mountingø10 x 28 mmMagnet pad dimensions - surface mounting26 x 13 x 3,5 mmMagnet enclosure dimensions - surface mounting26 x 13 x 19 mmBattery working time (in years)up to 2Radio communication range (in open area) for PERFECTAup to 600 mSecurity grade according to EN50131-2-6Grade 2Complied with standardsEN50130-4, EN50130-5, EN50131-1, EN50131-2-6, EN50131-53Detector enclosure dimensions26 x 112 x 29 mmEnvironmental class according to EN50130-5IIBatteryCR123A3VOperating frequency band433,05 ÷ 434,79 MHzMaximum humidity93±3%Weight77 gMax. current consumption22 mA	Radio communication range (in open area) for MRU-300	up to 300 m
Magnet pad dimensions - surface mounting 26 x 13 x 3,5 mm Magnet enclosure dimensions - surface mounting 26 x 13 x 19 mm Battery working time (in years) up to 2 Radio communication range (in open area) for PERFECTA up to 600 m Security grade according to EN50131-2-6 Grade 2 Complied with standards EN 50130-4, EN 50130-5, EN 50131-1, EN 50131-2-6, EN 50131-5-3 Detector enclosure dimensions 26 x 112 x 29 mm Environmental class according to EN50130-5 II Battery CR123A3V Operating frequency band 433,05 ÷ 434,79 MHz Maximum humidity 93±3% Weight 77 g Max. current consumption 22 mA	Shock detection range (depending on the type of mounting surface)	up to 3 m
Magnet enclosure dimensions - surface mounting 26 x 13 x 19 mm Battery working time (in years) up to 2 Radio communication range (in open area) for PERFECTA up to 600 m Security grade according to EN50131-2-6 Grade 2 Complied with standards EN 50130-4, EN 50130-5, EN 50131-1, EN 50131-2-6, EN 50131-5-3 Detector enclosure dimensions 26 x 112 x 29 mm Environmental class according to EN50130-5 II Battery CR123A 3V Operating frequency band 433,05 ÷ 434,79 MHz Maximum humidity 93±3% Weight 77 g Max. current consumption 22 mA	Magnet pad dimensions - recessed mounting	ø10 x 28 mm
Battery working time (in years) up to 2 Radio communication range (in open area) for PERFECTA up to 600 m Security grade according to EN50131-2-6 Grade 2 Complied with standards EN 50130-4, EN 50130-5, EN 50131-1, EN 50131-2-6, EN 50131-5-3 Detector enclosure dimensions 26 x 112 x 29 mm Environmental class according to EN50130-5 II Battery CR123A3 V Operating frequency band 433,05 ÷ 434,79 MHz Maximum humidity 93±3% Weight 77 g Max. current consumption 22 mA	Magnet pad dimensions - surface mounting	26 x 13 x 3,5 mm
Radio communication range (in open area) for PERFECTA up to 600 m Security grade according to EN50131-2-6 Complied with standards EN 50130-4, EN 50130-5, EN 50131-1, EN 50131-2-6, EN 50131-5-3 Detector enclosure dimensions 26 x 112 x 29 mm Environmental class according to EN50130-5 Battery CR123A 3V Operating frequency band 433,05 ÷ 434,79 MHz Maximum humidity 93±3% Weight 77 g Max. current consumption 22 mA	Magnet enclosure dimensions - surface mounting	26 x 13 x 19 mm
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Complied with standards EN 50130-4, EN 50130-5, EN 50131-1, EN 50131-2-6, EN 50131-5-3 Detector enclosure dimensions 26 x 112 x 29 mm Environmental class according to EN50130-5 II Battery CR123A 3V Operating frequency band 433,05 ÷ 434,79 MHz Maximum humidity 93±3% Weight 77 g Max. current consumption 22 mA	Radio communication range (in open area) for PERFECTA	up to 600 m
Detector enclosure dimensions 26 x 112 x 29 mm Environmental class according to EN50130-5 II Battery CR123A 3V Operating frequency band 433,05 ÷ 434,79 MHz Maximum humidity 93±3% Weight 77 g Max. current consumption 22 mA	Security grade according to EN50131-2-6	Grade 2
Environmental class according to EN50130-5 II Battery CR123A 3V Operating frequency band 433,05 ÷ 434,79 MHz Maximum humidity 93±3% Weight 77 g Max. current consumption 22 mA	Complied with standards	EN 50130-4, EN 50130-5, EN 50131-1, EN 50131-2-6, EN 50131-5-3
Battery CR123A 3V Operating frequency band 433,05 ÷ 434,79 MHz Maximum humidity 93±3% Weight 77 g Max. current consumption 22 mA	Detector enclosure dimensions	26 x 112 x 29 mm
Operating frequency band 433,05 ÷ 434,79 MHz Maximum humidity 93±3% Weight 77 g Max. current consumption 22 mA	Environmental class according to EN50130-5	II
Maximum humidity 93±3% Weight 77 g Max. current consumption 22 mA	Battery	CR123A3V
Weight 77 g Max. current consumption 22 mA	Operating frequency band	433,05 ÷ 434,79 MHz
Max. current consumption 22 mA	Maximum humidity	93±3%
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On a water was a representative was representative and the second of the	Max. current consumption	22 mA
Operating temperature range -10°C+55°C	Operating temperature range	-10°C+55°C