PREDIX™

DUAL POSITION MICROWAVE BARRIER SERIES

The **Predix™** detector is a linear barrier based on K-band microwave technology. It is comprised of a transmitter and receiver, which together establish perimeter protection with coverage up to 300 meters. It is very simple to install, yet provides a high level of security performance. The microwave signal is digitally converted and analyzed by a microprocessor using an innovative and efficient algorithm.

The dimensions of its detection zone – due to the K-band operating frequencies – are more stable and narrow at different distances than those of similar microwave detectors operating on X-band frequencies.

The barrier settings can be configured with free-of charge PC software. Predix is an addressable device up to 256 network address, which means, more device's configuration can be carried out via one RS485 communication bus. Predix is the first microwave barrier on the market having the ability to operate on 250 different frequencies, thereby preventing any disturbance or interference caused by microwave reflection.

Due to its narrow detection zone (2 meters at the longest 300m range), wide range of settable operating frequencies and accurate signal analysis algorythm, Predix can be deployed in a variety of configurations.

Predix is expressly designed to work in all weather conditions with continuous round-the-clock operation. The barrier has a wide operating temperature range of -40° C – +65° C, and continues to function efficiently even in conditions of rain (up to 40 mm/ hour) or wind (up to 30 m/s). Predix is recommended for use along the perimeter of buildings, in open space between buildings, on borders, etc.

The settings of the detector can be made with the free PC software or tablet with an android application. The Predix series detectors fully integrated into the new Perimote supervisory system, which besides monitoring, enables the setup, adjustment and maintenance being remotely.

MAIN FEATURES

- RANGE: 50/100/200/300 M
- 24,0-24,25 GHZ OPERATION FREQUENCY
- NARROW DETECTION ZONE
- 250 DIFFERENT FREQUENCY CHANNELS TO PREVENT INTERFERENCE BETWEEN SENSORS
- SOFTWARE-CONTROLLED SETUP
- PLUG AND PLAY INSTALLATION
- 256 DIFFERENT NETWORK ADDRESSES
- 1 NC ALARM OUTPUT
- OPERATION IN ALL WEATHER CONDITIONS

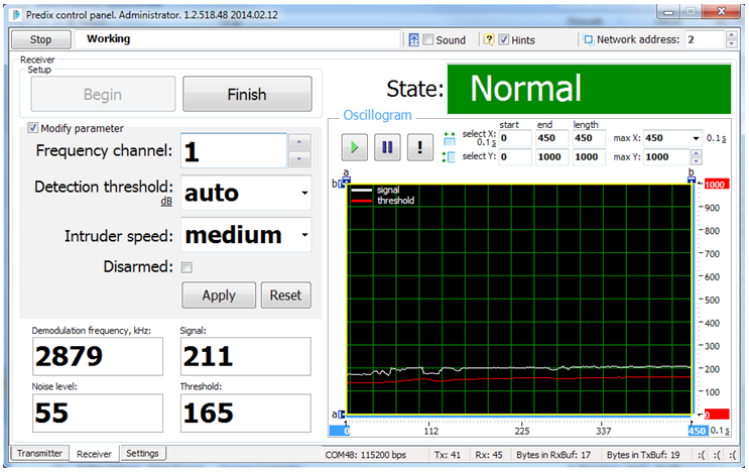
SOFTWARE-CONTROLLED SETUP

The **Predix control panel** is a free PC software to perform settings and adjustment of the barrier's features.

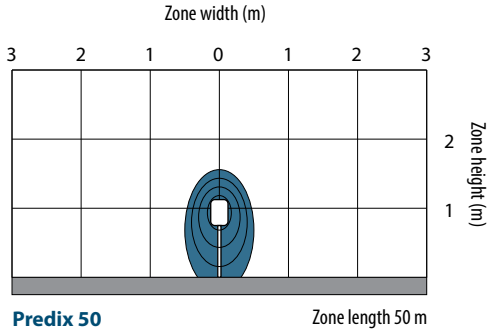
The software has a simple, user-friendly graphical interface, which makes the setup very easy and fast.

It can be downloaded from Umirs Europe 's website:

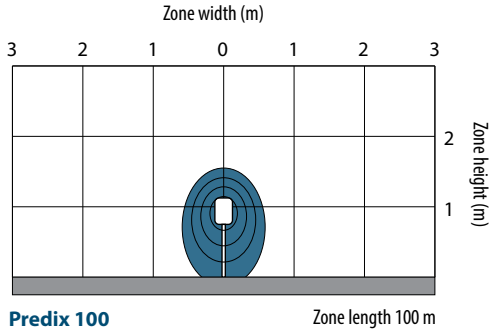
www.umirs.eu



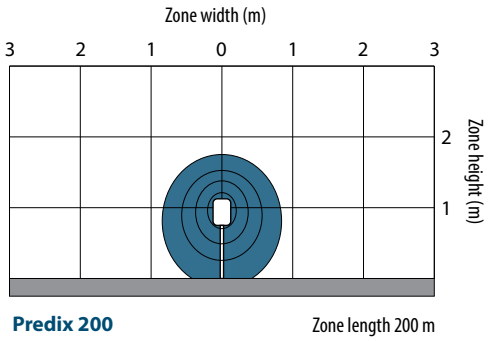
MAIN INFORMATIONS OF THE DETECTION ZONES



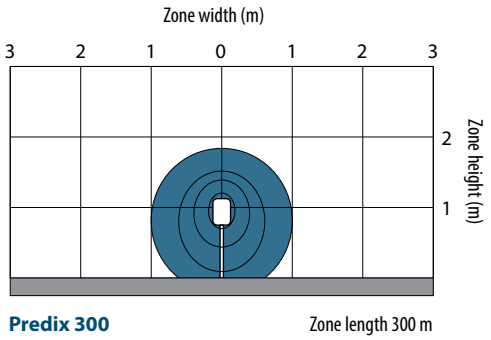
Predix 50 Zone length 50 m



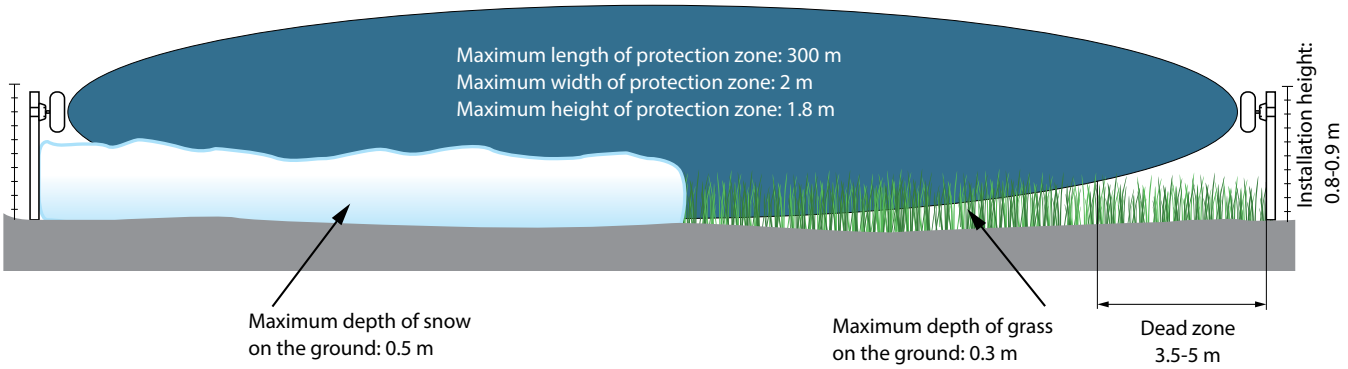
Predix 100 Zone length 100 m



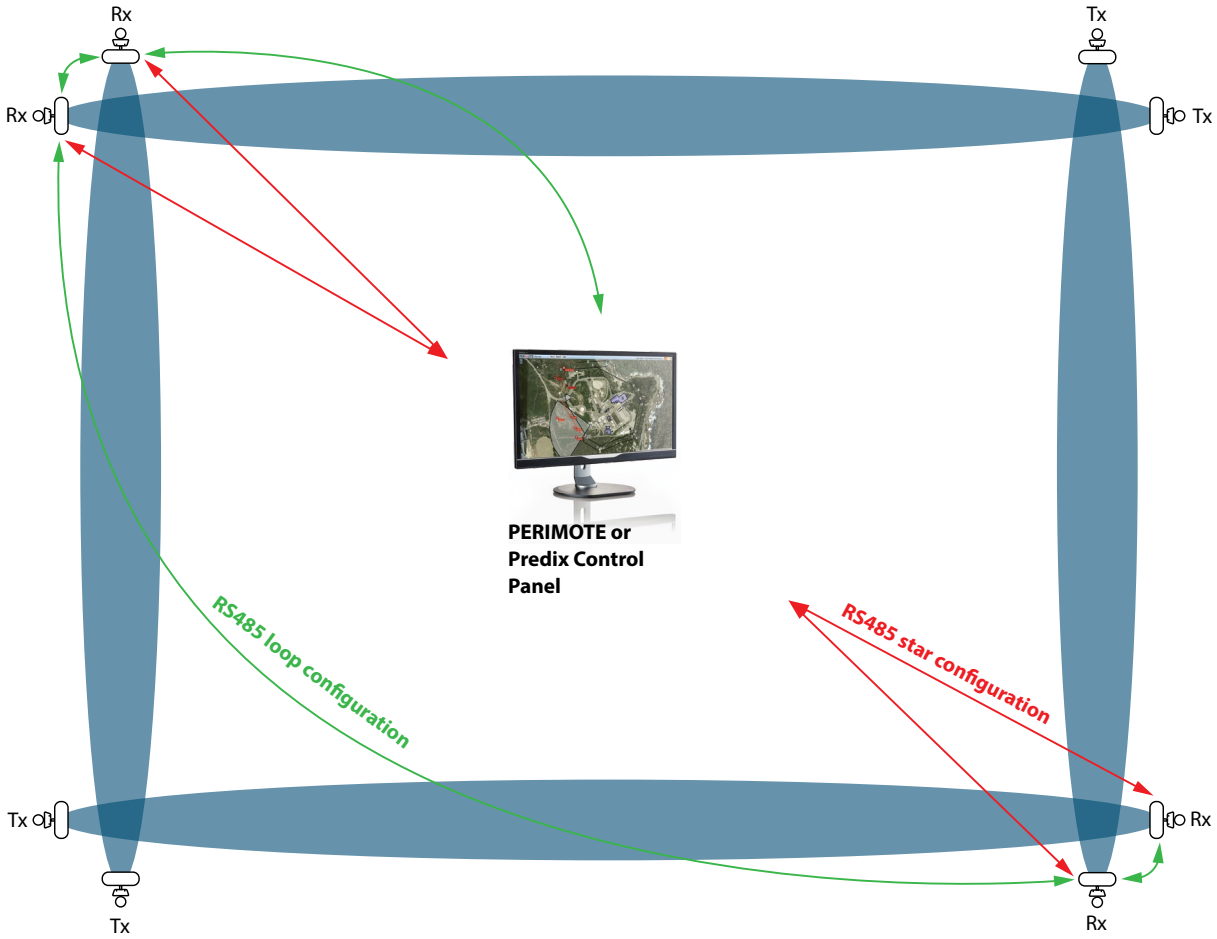
Predix 200 Zone length 200 m



Predix 300 Zone length 300 m



TYPICAL PREDIX CONFIGURATION INSTALLATION



*Instead of RS485 star configuration we can use common cooper wire to transmitt alarms from the receivers' dry contact f.e. to an alarm panel.

PERIMOTE SUPERVISORY SYSTEM

Predix™ is integrated into **Perimote™**, the new supervisory system of Umirs Europe.

With this new software we are capable to monitor different type of sensors/detectors, receive alarms and faults, make the setups and adjustments or the maintenance of Umirs Europe products remotely or control PTZ cameras or other security devices.

Maximum 64 Umirs Europe devices can be connected on ethernet interface to one Perimote device server. To create bigger systems, more device servers can be used under one supervisory server.

ACCESSORIES

USB/RS485 WP2

USB/RS485 converter is used for programming Predix detectors with the free Predix control panel software.

Waterproof casing.

Radon PO

Radon PO is an aluminium pole with pre-drilled base for microwave detectors like Predix or Radon MRS.

Height: 100 cm

Diameter: 5 cm

Colour: Grey

TECHNICAL FEATURES

Detection range	50 / 100 / 200 / 300 m
Detection zone height	1,6-1,8 m
Detection zone width	1 / 1,2 / 1,6 / 2 m
Clear zone width	2 / 2,4 / 3,2 / 4 m
Power supply	9-36 VDC
Current consumption	128 mA (TX), 170 mA (RX)
Operation frequency	24,0 – 24,25 GHz
Channels	250 (in 1MHz steps)
Network addresses	256
Communication	via RS-485
Software languages	English, Russian, Czech, Portuguese
Outputs	1 NC alarm output
Operating temperature	-40 – +65 C°
Protection	IP 65

Umirs Europe Ltd. , Hungary, 1192 Budapest, Nádasdy str. 2., Tel.: +361-280-8395
sales@umirs.eu, info@umirs.eu
www.umirs.eu