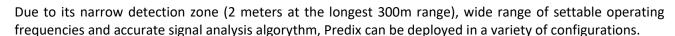# PREDIX

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 narrowat 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 microwave barrier having the ability to operate on 8 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.

MAIN FEATURES   .

- RANGE: 100/200/300 M

- 24,0 GHZ OPERATION FREQUENCY

- NARROW DETECTION ZONE

- 8 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

PREDIX

DUAL POSITION MICROWAVE BARRIER SERIES

ACCESSORIES

- USB / RS485
  USB/RS485 converter is used for programming Predix detectors
  with ProPer tool software

TECHNICAL FEATURES

Detection range	**100 / 200 / 300 m**
Detection zone height	**1,6-1,8 m**
Detection zone width	**1,6 / 1,8 / 2 m**
Power supply	**9-30 VDC**
Current consumption	**450 mA**
Operation frequency	**24 GHz**
Channels	**8**
Network addresses	**256 (Only RX)**
Communication	**via RS-485**
Outputs	**1 NC alarm output**
Operating temperature	**-40 – +65 C°**
Protection	**IP 65**