WAVETREND)))

Wavetrend's RX211 is an Active RFID Reader that adds the benefit of real time location awareness to access control offered by passive RFID systems. Supporting a Wiegand interface, the RX211 can be specified as part of a new access control system or can be a drop-in replacement in existing systems. The RX211 has 2 relays that can be used in conjunction with mag locks etc to provide a local access solution. Relays also make the device suitable for proximity alarm systems, such as vehicle collision avoidance.

ACCESS
READER RX211

Key Features

Benefits

Storage for up to 300 Tags in internal database
Can be used as a standalone device or whilst connected to a host computer with suitable application software

Compatibility
Detects and decodes RFID signals from all of Wavetrend's range of Active RFID Tags

Flexible host connectivity
Sends decoded Tag and associated metadata to a host computer via Wiegand, RS485, RS232 or USB interfaces

Comprehensive Tag data and Reader status information available
Enables management of tagged items and the automation of business decisions based on accurate / real-time knowledge of location

Configurable site code and signal strength filters
Provides control over Tags being read

Supports a range of Antennas
Compatible with both directly connected and cabled Antennas

Long read range
Can detect Wavetrend Active RFID Tags up to 150m, subject to the appropriate Antenna being fitted and installation/environment conditions

Flexible configuration
Can be dynamically configured over RS485, R232 and USB interfaces

High performance receiver
Features adaptive gain and maintains Tag reads in noisy backgrounds

2 x NO/NC relays
Can be triggered by a variety of configurable events or detection of single Tags or groups of Tags

People Tracking & Management

People Safety

Time & Attendance /Access Control

Asset Tracking & Management

Supply Chain, Vehicle & Contents Tracking

Art Protection

ACCESS
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Specifications

Environmental
Operating temperature	-20°C to +50°C
Storage temperature	-30°C to +60°C
Humidity	5% to 90% (non-condensing)

Physical
Size	105mm x 58mm x 28mm
Weight	118g
Colour	Grey
Material	Aluminium

Radio
Receive frequency	433.92 MHz
Read range	Up to 150m (actual range is determined by the choice of Antenna used with Reader and the usage environment)

RF Input
50 Ohm SMA Female

Electrical
Supply voltage	7V-16V DC
Maximum current consumption	60mA
Power socket	DC socket suitable for 5.5mm outer diameter, 2.5mm inner diameter, barrel plug with centre positive
Relays	2 relays, NO/NC contacts, 1A

Connectivity
Standard data rate	9,600 - 115,200 bps
Interface	RJ45 for RS485 & RS232, USB Mini-B

Certification
CE and FCC - can be deployed in all countries that recognise these regulatory frameworks

To order or for further information ....

WAVETREND

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