WAVETREND))

Wavetrend's Personnel Tag is an Active RFID Tag intended for use with personnel security, real-time tracking and access control applications, such as dynamic mustering and health and safety compliance. A number of sensor options are available to meet specific application requirements.

PERSONNEL
TAG TGP

Key Features

Benefits

Housed in an ID-1 format enclosure
Potential to affix standard identity sticker/card and suitable for wearing with a lanyard or in a pocket

Large range of unique Tag IDs possible
Real-time identification of unique Tags in a large population

Configurable site / vendor ID
A unique code can be allocated on request
Readers can be set to ignore other codes

Tag can be configured to encode Wiegand facility & card IDs
Allows Tag to be used with existing access control systems

Offers a range of different transmission rates
Flexible configuration of status updates, together with battery life optimisation

Anti tamper facility
Tamper alerts can be generated on removal of the Tag if used in conjunction with the Wavetrend Anti Tamper Kit

Ultra low power consumption
Lifespan of 3 years when transmitting at the standard or greater interval

Sealed to IP65 standards
Dust proof and splash proof

Long range transmitter
Tag can be detected at ranges up to 150m subject to the appropriate Antenna being fitted and installation/environment conditions

Collision avoidance algorithm
Reduces loss of data caused by simultaneous transmissions from multiple Tags

Transmission counter
Allows for generation of low battery warnings

Sensor and additional options available
Motion Sensor, Accelerometer, Passive RFID options, and Intrinsically Safe Certification

Personnel

Tamper Sensor

Motion Sensor

Accelerometer

Intrinsically Safe

PERSONNEL
TAG TGP

Specifications

Model Options

Standard (TGP)
Tamper only

Motion sensor (TGP-MS)
Generates alarms/alerts on movement
Can be used as a strategy to extend battery life

Accelerometer (TGP-Kinetic)
Provides increased levels of protection and security in applications such as 'man down' through constant monitoring of personnel movement
Alarm generation configurable via 10 step sensitivity setting
Can be configured to report individual axis acceleration regularly and/or on movement alarm
Smart accelerometer filters background vibrations and generates alerts on genuine movement

Intrinsically safe certification (TGP-HZ)
ATEX Zone 0 and IECEx certification
Suitable for applications in hazardous environments such as mines and oil/gas facilities where real time visibility of personnel is essential

EPC UHF Gen 2 (TGP-G2)
Suitable for dual function applications where passive technology can be combined with active
Provides a cost effective approach eliminating the need for the user to carry multiple credentials
Other passive technology on request

Environmental

Operating temperature -20°C to +55°C
Storage temperature -30°C to +60°C
Relative humidity 5% to 90% (non-condensing)
Ingress protection IP65

Physical

Size 86mm x 54mm x 6.5mm
Weight 24g
Colour Grey (Intrinsically Safe is yellow)
Material ABS (ultrasonically sealed)

Radio

Transmit 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)

Power

Internally powered by lithium coin cell battery

Accessories

Tag Attachment Kit (TA-TGP) - Packs of 10
Tamper Alerting Tag Attachment Kit (TA-TGP-AT) - Packs of 10

Certification

CE

To order or for further information ....

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