

# 2R5000 Intelligent Monitoring

## Duress Alarm with Man Down Patient Wanderer Alarm Monitor Assets / Tags Missing Alert



The 2R5000 is a complete stand alone Alert system. Unlike passive systems the 2R5000 has an adjustable detection range greater perimeter flexibility.

There are several Alarm modes on the unit. Duress Alarm with man down, Patient Wanderer Alarm mode triggered when a bracelet tag worn by a patient approaching to a monitored Exit. The Tag Missing mode monitors Person and Assets constantly in a defined area and triggers an alarm if the person or assets moves from this particular monitored area

The reception range easily configured using on board switches. Onboard auxiliary outputs can be configured to activate optional equipment such as Paging, GSM Mobile phone, Dect Phones or any other wireless or wired devices. Optional external and visual alerts can also be fitted to 2R5000.

There are several Tags are available to be used with 2R5000 for different applications.

The wide range of antennas can be used with 2R5000 depending on area, mode and applications.

- An intelligent stand alone RFID system for indoor or outdoor use
- Reduces cost and the need for continuous staff supervision, improves security
- Adjustable Detection Range – caters for any size door, corridors or gates
- No requirements for software, the system setting and reception range are configured using on board switches and type of antenna used
- High impact UV stabilized PVC case tags with 3-5 years long battery life
- Lightweight wrist or ankle tags are weatherproof can be chemically sterilized and worn in shower, bath and pools using standard hospital issue ID strap
- Optional Alarm Reporting to Pager, GSM Mobile Telephone, Dect Phones
- Suitable for Nursing Homes, Hospitals, Retirement villages, OH&S Compliance, Prisons, Museums, Art Galleries and wide range of applications
- FCC & ETSI Approvals
- Simple installation by technicians or electricians



## 2R5000 General Description

A bracelet tag transmits a low power radio signal every second for the duration of its 3-5 year life. This signal is received by 2R5000 and decoded.

An alert/alarm is triggered when a valid tag is detected that is within range of the antenna depending on the alarm and options that are preselected. If programmed doors can be locked and will remain locked until the tag signal is no longer being received i.e. when the tag moves away from the monitored zone.

The detection range can be adjusted if required to cater for different size doors, corridors or specific areas. The radio signal from a tag will pass through most non metallic materials including plaster walls and ceilings, brick, glass and timber, allowing the antenna to be concealed above a ceiling or behind a wall.



The 2T6000, 2T7000 and 2T9050 Bracelet Tags are used for Patient monitor, Medi Trac, Prison, OHS and other applications.

The 2T6000 Tag supplied with an anti-temper bracelet. The T27000 Tag supplied with standard hospital issue ID strap. Tags are weatherproof and can be worn in bath and pools.



The T9000 series tags mainly used for Duress Alarms with built in membrane switch and the 2T9600 complete with Man Dawn switch. These tags are attached using standard ID card straps or lanyards. Tags have standard footprint for attaching a photo ID with optional built in MIFARA, HID prox or HID I-Class electronics making a personal photo ID, access control, tracking, emergency call transmitter all in one credit card size



## Specifications

### RF Specifications

Frequency 433.92MHz , 916.5MHz  
 Modulation ASK  
 Bandwidth < 1MHz  
 Stability SAW Controlled

### Outputs / Inputs

4 Form C Relay Contacts  
 2A @ 30VDC or  
 0.5@120V AC 6 Inputs,  
 Dry Contact  
 Relay / Dry Contact  
 High Intensity Red  
 Strobe (Optional)

### External Optional Output

Audible Alarm  
 Visual Alarm  
 Paging, GSM Mobile Phone  
 Dect Phone

### Power

Supply Voltage 12VDC  
 Max Current 60mA  
 Battery Back up Optional

### Antenna

50 Ohm BNC

