



OEM “Hands Free” Tags and Readers

Basic features:-

- Long life active tags
- Secure **digital** data exchanges
- Hands free reading range (>3.0m)
- Fast (20 tags/sec.) multiple reading
- High fidelity reading (1:100 million error rate)
- High level noise immunity (digital transmissions)
- Direction sensing firmware (selectable on site)
- Inert tags until in reader detection zones.

General Technical Specification:-

Tag Designs:	Sealed Industrial Strength Credit Card Sealed Article Tags - For Non Metallic Items Sealed Article Tags - For Metallic Items Sealed Key - Fob Photo ID Card Holder Tag – Replaceable Battery
Tag Encoding:	One Time Programmable, Read Only 64 bits configurable
Tag Battery Types:	Lithium coin cells
Battery Low Warning:	Standard feature on all tags
Reader Types:	Mullion Single Loop Aerial Twin Loop Aerial System Split TX & RX Units Multiple Aerial Units (Max 16)
Reading Ranges:	10mm to 150mm on Mullion Readers Typically >3.0m on Loop Aerial
Maximum Aerial Size:	16 metres (20 Amp copper wire) per input
Transmission System:	Digital 25 channels
Operating Frequencies:	125KHz Reader Transmission 4MHz Tag Transmission No body shielding or range loss through liquids
Approvals:	EN 300-330
Temperature Specification:	-20°C to +60°C -4°F to 140°F



Product Range Summary



TV1 Industrial Strength ID Tag

Basic features:-

- Sealed Credit Card Profile (4.5mm thick)
- Typical life >5 years
- Weight 28gm
- Photo ID compatible using kiss cut labels
- Hands free reading range (>3.0m)
- High fidelity reading 1:100 million error rate
- Open or Close formats available
- High level noise immunity

TV2 Article Tag (non Metallic Items)

Basic features:-

- Sealed limpet tags (76 x 56 x 7mm)
- Long life active tag, inert until in reader field
- Typical life >5 years
- Weight 38gm
- High level noise immunity
- Battery low indication
- Fast multiple (anti-clash) reading
- Waterproof



TV3 Article Tag (Metallic Items)

Basic features:-

- Sealed limpet tag (76 x 56 x 7mm)
- Long life active tag, inert until in reader field
- Typical life >5 years
- Weight 38gm
- Secure Communications
- Hands free reading range
- Fast multiple (anti-clash) reading
- Waterproof

TV4 industrial Strength Key-fob

Basic features:-

- Sealed teardrop key-fob (55 x 42 x 11.5mm)
- Long life active tag, inert until in reader field
- Typical life >5 years
- Secure **digital** data exchanges
- Hand free reading range (>2.5m)
- Weight 25gm
- Fast multiple (anti-clash) reading
- Stainless steel attachment rings



TV6 Photo ID Card Holder Tag

Basic features:-

- Hands free reading range (>3.0m)
- Dimensions 95 x 64 x 5mm
- Weight 30gm
- Replaceable Lithium CR2025 Cell
- Photo ID card holder supplied with insert
- Works with Mifare® or Prox cards in situ
- Fast multiple (anti-clash) reading
- Inert until in reader detection zones





Product Range Summary



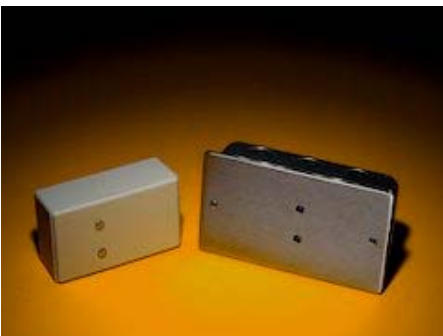
REV1 Mullion Reader

Basic features:-

- Proximity reader (Max. 150mm range)
- Single piece reader
- Selectable reading ranges
- LED and buzzer indicators
- Battery low indicator (optional)
- Back to back mounting feature
- Full anti-clash reading
- Screw terminal connectors

RV1-DS Dual Loop Aerial Unit

- Total Noise Immunity
- Configurable Single or dual loop aerial unit
- Single or dual detection zones
- Omni-directional or direction sensing modes
- Open or closed format available
- High security Digital data exchange
- Fast Anti-Clash technology
- Fully configurable on site mode selection
- Full diagnostic display



RV1-DS-MS

Basic features:-

- Configurable four loop aerial unit.
- High fidelity reading (1:100 million error rate)
- Secure **digital** data exchanges
- Full independent linear range control
- Battery low indicator option
- Full performance monitoring option
- Fast multiple (anti-clash) reading
- Simple to use display function

AV1-P & AV1-SS Head Amp Units

Basic features:-

- Loop Termination and Tuning Unit
- LED and buzzer feed back for installer
- Buzzer feed back selectable for tag battery low
- Tuning indicators for maximising performance
- Battery low indicator
- Available in ABS Box **AV1-P**
- or Stainless Steel Faceplate **AV1-SS**
- Screw terminal connectors



AV2 & AV3 Receiver Units

Basic features:-

- AV2** Air coil receiver in plastic housing or **AV3** Ferrite receiver in plastic tubing
- Typical read range >3.0m radius
- Typical application – direction sensing
- Enables detection zone to be shaped
- Simplifies retrofit installations
- Fast multiple (anti-clash) reading
- AV3 supplied with interconnecting cable



Product Features

- **Direction Sensing**
- **Hands Free Reading**
- **Full Noise Immunity**
- **On Site Mode Selection**
- **World-wide RF Approval**
- **Secure RF Data Exchange**
- **Low Frequency Operation**
- **Full Anti-Clash Technology**
- **Full Performance Monitoring**
- **Low Power, Low Voltage Readers**
- **Coexists with Prox and Mifare[®] Products**
- **Simple Installation, Integration and Commissioning**
- **Long Life Tags with Battery Low Indication Built In**
- **Open or Closed Tag and Reader Formats Available**
- **Wiegand, Clock & Data, Serial and USB Interfacing**

Identec Ltd has specialised in the manufacture of proprietary radio frequency products for more than twenty years. **Cyphertag[®]** is the fourth generation of tags and readers developed by the same team. **Cyphertag[®]** product has been specifically designed to eliminate the risk of product failure due to outside interference, a problem historically faced by installers choosing other "hands free" technology.

Cyphertag[®] operates using state of the art proprietary digital transmission techniques. As a result reading range and speed of reading will remain constant and performance can be guaranteed every time.

Cyphertag[®] will interface to all major access management systems. Parallel operation with most proximity and card based ID reading systems is practical, enabling many new applications to be considered for existing sites without the need for product redundancy. This creates new revenue opportunities for the supply chain and increases functionality for the end user.

For further information contact:-

Mifare[®] is a registered trade mark of Royal Philips Electronics

Product specifications are subject to change. Identec reserve the right to modify the design without notice. If any specification is critical to product selection please confirm its availability prior to ordering. E & OE accepted. Issued: April 09.



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