

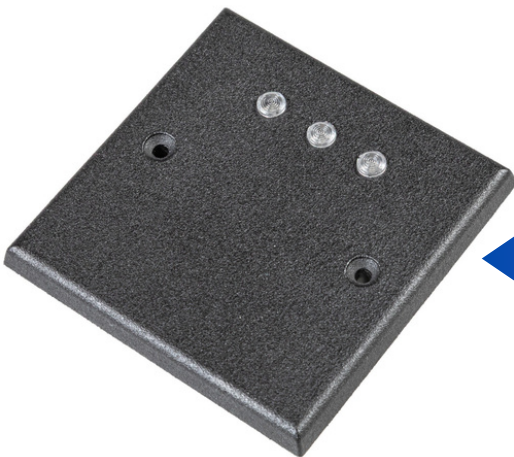


JA1 - Single Zone Antenna



The JA1 Antenna improves the JR1 Reader by providing a single detection zone that extends up to 15 meters. Specifically designed for installation on a single backbox, it ensures dependable performance and offers versatile deployment options in a wide range of environments.

Its sleek and compact design guarantees seamless integration into modern settings without sacrificing visual appeal. To enhance usability and ensure clear system visibility, the JA1 is equipped with three built-in LED indicators that offer comprehensive user feedback.



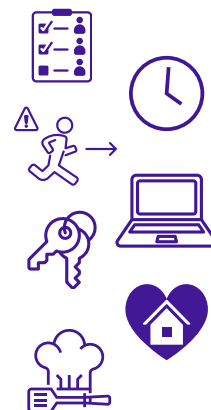
Features

- ✓ AES 128-bit secure data exchange
- ✓ Reading range up to 15m
- ✓ Self-diagnostics
- ✓ Expandable detection zone to cover large areas
- ✓ Up to 32 individual antennas per JR1 Reader
- ✓ Configurable via RF Field (JC1)
- ✓ Reader firmware upgradable

The JA1 is a highly adaptable antenna solution designed to cater to the changing demands of contemporary security systems. It offers outstanding flexibility and control, making it perfect for both new installations and smooth system upgrades.

Applications

Safety rollcall
Time/attendance monitoring
Mass evacuation
Asset tracking
Access control & key compromise
Care home controls & healthcare management
Food manufacturing and compliance



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JA1 - Single Zone Antenna



The JA1 Single Zone Antenna offers outstanding flexibility, control, and reliability, enabling integrators to create secure, efficient, and future-proof RFID solutions.

Enhanced Performance Features

Streamlined Design: Designed for effortless installation

User Feedback: Equipped with LED indicators for clear communication

High-Speed, Long-Range Performance: Capable of reliable multi-tag reading

Durable and Dependable: Built to withstand critical applications

Wide Coverage: Use multiple antennas to cover extensive area

Noise Resilience: Engineered to perform effectively in noisy environments

Applications

- | | |
|---|--|
|  Healthcare – real time location of specialised equipment |  Mass Evacuation |
|  Industry – asset tracking for high value machinery |  Personnel Safety |
|  Logistics – pallet or container tracking |  Personnel Identification |
|  Office – tracking laptops, office equipment |  Car Parking Access |
|  Time and Attendance |  Mental Health and Safety Oversight |

Technical Specification

Physical Size:	88.3mm x 88.3mm x 23mm (incl. PCB)	3 15/32in x 3 15/32in x 29/32in
Weight:	53gm	1.8oz
Material:	Body: Black ABS moulding	
Temperature:	-20°C to +60°C (-4°F to 140°F)	
Humidity:	0 - 80% non-condensing	
Power Requirements:	7V to 26V dc @ 80mA	
Read Range:	Up to 15m from a single antenna	
Speed of Reading:	Typically, 20 per second/per antenna	
Max Cable Length:	Up to 1km from reader	
Disposal:	Return to Identec for safe disposal	
Approvals:	CE, UKCA, BLE-SIG, EN 61000-6-1:2019, EN 61000-6-3:2007+A1:2011, ETSI EN 301 489-1 V2.2.3, ETSI EN 301 489-17 V3.3.1	

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Discover our range of hardware solutions, designed to offer real-time tracking of people and assets. This includes Active RFID tags, readers, and antennas that can be seamlessly integrated to form a complete and scalable RFID infrastructure.

Why Choose Our Solution?

- **Cost-effective vs. RFID and GPS**
- **No complex installation required**
- **Fast deployment and scalability**
- **Proven reliability in high-density environments**

Identec **tags** are categorised into personnel tags and asset tags, with a range of configurable options available to meet specific application requirements.

A variety of active **readers** are available to support diverse connectivity needs, including Serial, OSDP, RS485, Wiegand and Ethernet interfaces.

In addition, Identec provides a broad selection of **antennas**, enabling tailored deployments and precise performance across a wide range of environments and use cases.

Applications

-  **Time & Attendance Management** - Automate workforce tracking to improve accuracy and reduce administrative overhead
-  **Mass Evacuation Management** - Enable real-time visibility of personnel during emergency situations for faster and safer evacuations
-  **Personnel Safety** - Monitor worker locations and enhance safety protocols in high-risk environments
-  **Personnel Identification** - Provide secure and reliable identification for employees and visitors across facilities
-  **Healthcare** - Track patients, staff, and critical medical equipment to improve care delivery, safety, and operational efficiency
-  **Asset Tracking** - Monitor the location and utilisation of assets in real time, reducing loss and improving operational visibility
-  **Car Parking & Access Control** - Streamline vehicle entry and exit with automated identification and access management with multiple tags inside the car

With 40+ years of expertise in contactless radio frequency identification technology, we deliver innovative solutions to customers worldwide. Our products support a diverse range of applications and industries, helping organisations improve efficiency, security and asset management.

Explore our complete product portfolio at www.identec.com or contact us to discuss your specific RFID requirements and discover how we can develop a tailored solution for your business.