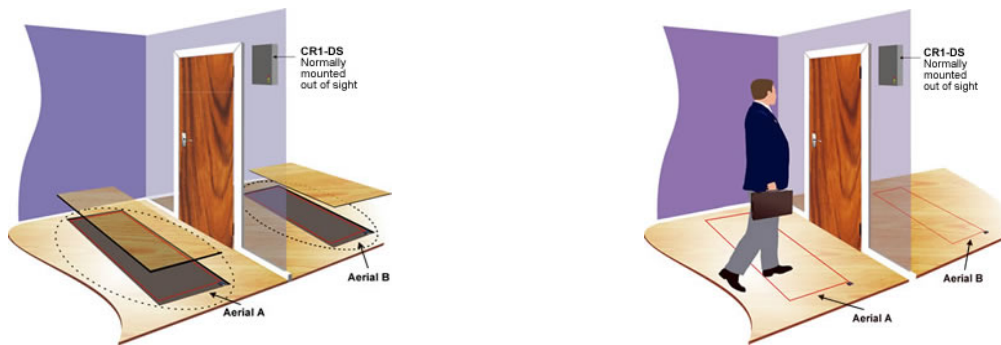


# Cryptag® Census®

## CR1-DS Dual Loop Aerial (Direction Sensing)



## Features

- Hands Free Operation (up to 3.0 metres from each external aerial);
- Direction Sensing;
- Dual Door Controller;
- 2 x External Loop Aerials;
- Tag Battery Low Indication;
- Fast Multiple Tag Reading (max 55/sec.);
- Secure Data Exchange;
- Reverse Polarity Protection;
- Encrypted Data Communications;
- 1:100 Million Error Rate;
- Wiegand or Clock & Data & Serial Output;
- CE, DTI & FCC Approved.

## Details

The CR1-DS reader utilises two external loop aerials to enable direction sensing at ranges of up to 3 metres. Alternatively the unit can monitor two independent doors which are close together without providing direction information. It is compatible with all Cryptag® Census® tags. The radio-frequency communications are scrambled to provide high integrity, and to prevent simulated tokens being used. The CR1-DS reader interrogates each loop in turn for the presence of tags (i.e. multiplexing).

Used in the direction sensing mode a tag moving from one loop to another will have its direction of travel identified by the reader. The speed of reading tags is effectively halved compared to a single zone reader. When installing the loops care must be taken to ensure minimal overlap of the two detection fields. If used with the Dual or Inward twin firmware each loop is managed independent of the other and the data relating to tags seen in each zone is processed on a separate output port. Where detection zones overlap tags will be reported from both ports.

All CR1 readers provide Wiegand or Clock & Data, as well as RS232 output. Advanced features include local alarm outputs, print option and an optional counter display (See IDN1, EDN1 for further information.).

## Specification

Specification	Details
Power requirements	12-26 Volts DC @ 400mA
Dimensions	300 x 230 x 40mm
Weight	1.45kg
Temperature range	-20 to +60°C (non condensing)
Housing	Charcoal Grey ABS case
LED function	RED internally/externally controlled AMBER internally/externally controlled GREEN internally/externally controlled Noise indication, Data Sent Indication
Output Formats	2 x Wiegand or Clock & Data & RS232
Terminations	2.5mm removable connectors

## Order Information

Ordered as **CR1-DS** (**CR1A-DS** - USA system). See Product Review for firmware options.

## Applications

The product is suitable for numerous applications, they include but are not limited to:

- Direction Sensing;
- Two Door Controller;
- Personnel & Product Tracking;
- Time and Attendance;
- Hands Free Access Control;
- Car Parking Control;
- Personnel Identification;
- Personnel & Article Tracking.

*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. June 05*

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