

Cryptag® Census®

CR1-MPX Hands Free Multiplexed Reader



Features

- Economical Control of up to 8 doors;
- Hands Free Operation (up to 3.0 metres with external aerial);
- 8 x External Aerials from 1 controller;
- Tag Battery Low Indication;
- 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-MPX Multiplexer has many uses. It can be used where a number of doors are in close proximity to one another each to be scanned sequentially. The reader interrogates each aerial loop in turn for tags within range. The simplest scan pattern is to look at all 8 aerial loops, but other search patterns are possible, for instance giving more time to one aerial loop. Consult Identec Ltd. for further details.

As the aerial loops are time multiplexed, with each loop only active for a short period of the time available, the effect is to reduce the reading speed. A multiplexed reader is always slower than a [CR1](#). Only the loop being addressed by the multiplexer is effectively connected to the reader, the others are off or isolated. The MPX8 can also be configured for use as a directional sensing unit (of all types), where two output channels (Wiegand or Clock/Data, and RS232) are provided. Where more outputs are needed a [BB-MUX](#) solution must be used.

Identec Ltd

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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	12-18 Volts DC @ 1A (Max)
Dimensions	550 x 550 x 50mm
Weight	8.5kg
Temperature range	-20 to +60°C (non condensing)
Colour/Housing	Charcoal Grey Metal Case
LED function	RED internally/externally controlled AMBER internally/externally controlled GREEN internally/externally controlled Noise indication, Data Sent Indication
Output Formats	Wiegand or Clock & Data & RS232
Terminations	2.5mm removable connectors

Order Information

Ordered as **CR1-MPX** (**CR1A-MPX** - USA system).

Applications

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

- Hands Free Access Control;
- Hot Desking;
- Close Proximity Doors (vertically and horizontally);
- Personnel Identification.

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.

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