

## PRD5/2 – The Compact Prox Reader

deister electronic has developed an efficient and approved product range for contactless identification for the access control, time registration and vehicle identification. With proxMagic® deister electronic provides a new dimension of proximity technology, which can most easily be integrated into the customer's own access control system.

### PRD5/2

A new dimension in proximity reader technology is now possible with deister's proxMagic® readers.

Proven 125kHz and future 13.56 MHz smartcard technologies are now combined in a single reader allowing card technologies to be mixed on the same access control system.

Almost all known 125kHz & 13.56 MHz technologies are supported, including:

**ISO 15693:** I-Class Serial Number, I-Code™, my-D, my-D secure

**ISO 14443A:** mifare®, AES

**ISO 14443B:** Serial number Atmel and ST microelectronics

**125 kHz:** HID® prox, proxEntry®, HITAG 2, EM4002 + 4102, Temic Chip Technologies

The reader has flash memory that can be upgraded to meet with future demands even after installation.

The product is ideal for situations where a user has an existing card population but also needs to upgrade or implement multifunction secure smartcard technologies on the same access control system.

### Your Benefits at a Glance:

- **proxMagic® Combines Many Technologies**
- **Processes Almost All Common Chip Technologies in the 125 kHz and 13.56 MHz Market**
- **Compatible to Most Systems Due to Open Interfaces**
- **Combines New and Existing Chip Technologies**
- **Easy Installation**



### Technical Data

<b>Dimensions:</b>	mm (inch) W x H x D	80 x 80 x 16 (3.15 x 3.15 x 0.6)
<b>Housing Material:</b>		ASA
<b>Colour:</b>		grey
<b>Protection Class:</b>		IP65
<b>Mounting:</b>		flush or surface mounting
<b>Operating Temperature:</b>		-25 °C ... +60 °C -13 °F ... +140 °F
<b>Relative Humidity:</b>		5 %...95 %, non-condensing
<b>Power Requirement:</b>		8...30 VDC / 150 mA
<b>Frequency:</b>		125 kHz / 13.56 MHz
<b>Transponder Protocols:</b>		13.56 MHz: ISO14443A+B, ISO15693 125 kHz: HID prox, proxEntry, HITAG, EM
<b>Encryption:</b>		mifare® classic, AES, HITAG 2 crypto
<b>Reading Distance:</b>	mm (inch)	up to 80 (up to 3.15)
<b>Signaling:</b>		red, green, yellow LED, beeper
<b>Interface(s):</b>		Open Collector, RS485
<b>Protocols:</b>		Wiegand, Data/Clock, Magstripe, deBUS, customized
<b>Data Formats:</b>		serial number or programmable sectors/blocks
<b>Conformity:</b>		EN300330, EN301489, EN60950, EN50364, FCC