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.

CRD 7

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®, DESFire EV1, mifare® plus
- **ISO 14443B**: Serial number Atmel und 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

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**Technical Data**

- **Dimensions:** mm (inch) W x H x D 102 x 149 x 93 (4 x 5.9 x 3.7)
- **Housing Material:** ASA, PC
- **Colour:** black RAL 9011 or grey RAL 7035
- **Protection Class:** IP54
- **Mounting:** surface mounting
- **Operating Temperature:** °C (°F) -25... +60 (-13...+140)
- **Relative Humidity:** % 5...95, non-condensing
- **Power Requirement:** 8...30 VDC / max. 350 mA
- **Frequency:** MHz 13.56 kHz 125
- **Transponder Technologies:** 13.56 MHz: ISO14443A+B, ISO15693 / 125 kHz: HID® prox, proxEntry, HITAG, EM
- **Encryption:** mifare® classic, AES, HITAG 2 crypto
- **Reading Distance:** mm (inch) up to 100 (3.9)
- **Signaling:** red, green and blue LED, running light, Beeper, Display
- **Display:** 128 x 40 Pixel with LED backlight
- **Interface(s):** Open Collector, RS485
- **Protocols:** Wiegand, Data/Clock, Magstripe, deBUS, customized
- **Data Formats:** serial number or programmable sectors/blocks
- **Conformity:** EN300330, EN301489, EN60950, EN50364, FCC

For more information and your nearest point of contact, please refer to [www.proxentry.com](http://www.proxentry.com) Technical data are subject to change without notice at any time. The product conforms to CE rules. All rights reserved. © Copyright 2011 by deister electronic