

FALCO SMART CARD/MIFARE PROXIMITY READER**AY-H25**

www.falco-ecom.com

- ✓ Incorporates the ISO-14443A (Mifare®) ID Format Protocol.
- ✓ Reads range of up to 55 mm (2.16").
- ✓ Designed under ISO 9001:2000 Certified Quality standards.
- ✓ Multiple, programmable output formats including standard Wiegand 26-Bit.
- ✓ Selectable LED control or buzzer control functions.
- ✓ Made of tough Polycarbonate plastic for improved performance in all weather conditions.
- ✓ Optical back tamper detection
- ✓ Bi-colored LED and LED control input.
- ✓ Internal buzzer.
- ✓ PC software and programming adaptor (MD-08B) for easy configuration of the unit
- ✓ Weather-Resistant.

This new, rigid and reliable unit provides the capability to read Mifare® Smartcard Contactless cards with any standard access control system. With 7 programmable output formats, it will fit most existing system's needs and read the information required.

The AY-H25 is fully potted, sealed and made of a rigid, UV resistant poly-carbonate, which makes it highly suitable for outdoor use. With a maximum range of 5.5cm, it makes a very simple, reliable and cost effective way to upgrade your system to Smartcard standard.

Technical Specification

Model	AY-H25
ELECTRICAL CHARACTERISTICS	
Operating Voltage Range:	5 to 16 VDC from a regulated power supply
Input Current:	Standby: 45 mA @ 12 VDC Max: 60 mA @ 12 VDC
Tamper Output:	Open collector, active low, max. sink current is 30 mA
OPERATIONAL CHARACTERISTICS	
Inputs:	Programmable LED Control / Buzzer control Input, N.O, Dry Contact
Indicators:	Tri-Colored LED indicators
Output Format:	Programmable multi-format: Wiegand 26-bits w/site code, Fixed 26-bits, 32 bits, 32 bits reversed, 34 bits, 40 bits and Clock & Data.
Built-In Proximity Reader:	Max. read range:55mm (2.16") Operating Frequency: 13.56 MHz Compatible Cards: Mifare [®] Compatible ISO-14443A
ENVIRONMENTAL CHARACTERISTICS	
Operating Environment:	Water resistant, suitable for outdoor use (meets IP65)
Operating Temperature:	-31°C to 63°C (-25°F to 145°F)
Operating Humidity:	0% to 95% (Non-Condensing)
MECHANICAL CHARACTERISTICS	
Dimensions: H x W x D	110 x 75 x 15 mm (4.33 x 2.95 x 0.6 inch)
Weight	114 g (0.250 lbs)

