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FALCO Advanced RFID EM Proximity Reader

AY-WO20B (BLACK) /AY-WO20W (WHITE)



✓ Backed by International Guarantee and service with ISO9001 (Certified TUV Rhineland) level business and manufacturing operations.

✓ Wide range operating voltage: 5 to 16VDC.

✓ Excellent RFID card read range of up to 100 mm(3.94 in.).

✓ Multi-format output: Wiegand 26-Bit, clock & data, and RS-232.

✓ RF modulation: ASK at 125 kHz.

✓ Internal buzzer.

✓ LED color control input.

✓ Optical wall tamper detection.

✓ Water-resistant with epoxy potting (IP65) suitable for indoor and outdoor applications.

✓ Made of tough polycarbonate UV-resistant plastic.

✓ Includes mounting template for easier installation.

AY-WO20 is a powerful RFID proximity card reader of 125 KHz cards and tags, featuring multi-format protocol and a read range of up to 100 mm (3.94 inches). With a sleek design and a tough, UV-resistant, water-resistant casing, the AY-WO20 is equally suited to indoor and outdoor use. It is economical and reliable.

The AY-WO20 with multi-format output reads RFID 125KHz ASK-type EM cards from a range of up to 100 mm (3.94 in.)*.

Designed for easy mounting with hidden screws (security screws may be used to enhance strength) and cover. Optical tamper adds protection against wall removal, and the buzzer adds audible RFID card read. LED control can give system based information to the end user.

The AY-WO20 is crafted out of the finest materials and to the highest manufacturing standards under ISO 9001:2000 Certified Quality standards.

Technical Specification

Model	AY-WO20B/ AY-WO2BW
Operating Voltage Range	5 to 16VDC, from a regulated power supply
Input Current	Standby: 35 mA at 12VDC Maximum: 100 mA at 12VDC
Tamper Output	Open collector, active low, max. sink current is 16 mA Optical tamper must be flush to wall surface to work
Max. Distance to Controller	With proper wiring reader to controller can be 150m (500 ft.)
LEDs	Two bi-colored LEDs
Proximity Card Reader	Maximum read range*: 100mm (3.94 in.) Modulation: ASK at 125 kHz Compatible cards: All 26-Bit EM Cards * Measured using Rosslare Prox Card AT-R14 or equivalent. Range also depends on electrical environment and proximity to metal.
Operating Temperature	-31 ° C to 63°C (-25 ° F to 145°F)
Operating Humidity	0 to 95 % (non-condensing)
Operating Environment	Suitable for outdoor use (IP65 rated)
Dimensions	110mm L x 75mm W x 15mm D (4.3 in x 2.95 in x 0.59 in)
Weight	105 g (0.23 lbs)

