AccessMag

Rugged Weatherized Surface Mount Magnetic Stripe Reader

High Performance Magnetic Stripe Reader

The AccessMag is a MagStripe Card reader for access control. The electronics provide reliable card reading operation and transmission of card data. The electronics are designed to decode high-speed card swipes, which are common at access control locations.

Rugged & User Friendly Access Control Solution

AccessMag is front mounted using the mounting base and clamshell housing. It is mounting compatible with most mullion mounted swipe readers in the industry. The narrow housing fits in small spaces and on mullions. The wide reader slot allows for thicker, laminated cards, and the slot depth allows for badges with clothing clips. The card slot entrance has an extra wide flare for quick and accurate card slot registration. A stainless steel wear plate stands up to typically harsh card swipes. The housing includes three LEDs, which are user controlled and typically used for ready, card accept, and card reject indications. The AccessMag is designed to be used in harsh environments with conformally coated electronics protected from direct liquid ingress. It is suitable for outdoor applications in extreme environments.

Features and Benefits

- Designed with Security and Access Control in mind
- Extra wide card slot lead-in for easy card swipe operation
- Mounts easily with unique "mount from the front" design
- Rugged, vandal resistant and UV resistant housing
- Conformally coated electronics and wide temperature range
- Reliable and simple electronics with 1,000,000+ operations
- Single tracks MagStripe reading capability
- Exceptional read operation on real world MagStripe cards
- Large "funnel" card slot entrance for convenient operation
- Stainless steel wear plate in card slot for durability and ESD protection
- Three separate LED for operation status
- Custom interfaces available upon request

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Electrical

Power Requirements:	12V DC, ±20%, 50mA maximum
Interfaces:	Weigand interface, TTL with buffer clock & data, TTL without buffer clock & data

Environmental

Operating Temperature:	-4°F to 140°F (-20°C to 60°C)
Storage Temperature:	-40°F to 167°F (-40°C to 75°C)
Humidity:	8% to 99%, non-condensing

Reliability

Operating Life:	1,000,000 card swipes minimum
MTBF:	300,000 POH based on Bellcore standard
ESD Immunity:	12KV air discharge, without reset (IEC 1000-4-2)
Approvals:	FCC part 15 Class B
Warranty:	One Year, parts and labor

Mechanical

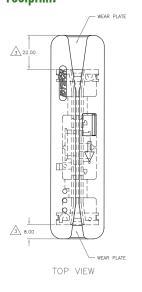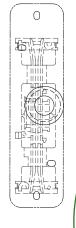|	
Media Thickness:	0.015 inches (0.381mm) to 0.05 inches (1.27mm)
Media Formats:	Meets ISO 7810, 7811-1 through 6 specifications for ID1 cards
Swipe Speed:	5 to 55 inches per second
Dimensions (L)x(W)x(H):	5.1inches(130mm)x1.34inches(34mm) x1.38inches(35mm)
Weight:	7oz (200g) including cable
Cable Length:	15 feet

Footprint:

TOP VIEW

READER FOOTPRINT

REAR FOOTPRINT

END VIEW

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80043503-001 R10/09