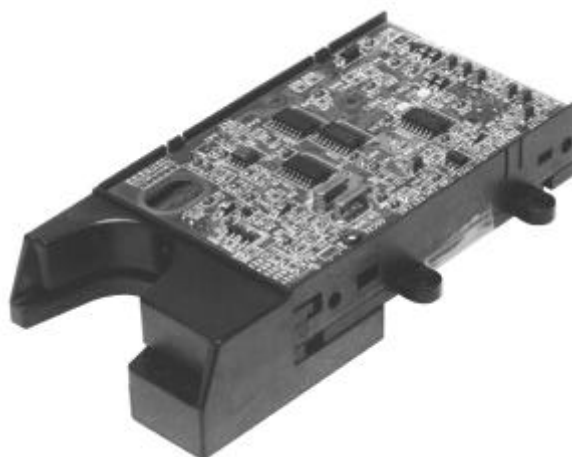


Compact Manual Magnetic Stripe and IC Card Reader with RS-232C Interface

- Ideal for applications using magnetic and/or smart cards
- Supports transmission protocols T=0 and T=1; also supports EMV
- Landing contact method ensures longer contact service life
- Card lock mechanism protects data while communicating with a smart card (V4AF-0J and V4AF-1J only)
- Two LEDs indicate application status



Ordering Information

Magnetic Tracks Supported (R, R/W)										
1	2	3	Center	JIS II	IC Contact	Interface	Card Lock	Cable	Color	Part Number
—	—	—	—	—	ISO 7816	RS-232C	Yes	No	Black	V4AF-0J-01V
R	R	R	—	—	ISO 7816	RS-232C	Yes	No	Black	V4AF-1J-01V
R	R	R	—	—	—	RS-232C	No	No	Black	V4AF-1N

■ TYPICAL APPLICATIONS

- Electronic purse
- Vending machines
- ATMs
- POS terminals
- Access control
- Customer loyalty
- Kiosks

Specifications

Recommended card type	Magnetic card	ISO7810, 7811-1 to -5
	IC card	7816/1-4
Data transmission		1200, 2400, 4800, 9600, 19200, 38400 bps (automatically set)
Data mode		Asynchronous mode
Operating power supply		5 VDC $\pm$ 5%
Current consumption		1.34 A max. (card lock solenoid consumes 1.2 A max. when card is released; V4AF-1N is 100 mA max.)
Mounting location		Indoors away from rain, wind, sunlight and dust
Ambient temperature	Operation	0° to 45°C (32° to 113°F)
	Storage	-15° to 60°C (5° to 140°F)
Ambient humidity	Operation	30% to 85% RH (without condensation)
	Storage	20% to 90% RH (without condensation)
Durable vibration		10 to 150 Hz, single vibration width 0.15 mm or acceleration of 2 G (19.6 ms ²), whichever is smaller
Dimensions		76 (W) x 126 (D) x 34 (H) mm (V4AF-1J-01V)
Weight		Approx. 120 g
Service life	Magnetic head	300,000 times min.
	IC contact	500,000 times min.
	Solenoid	300,000 times min.
Interface connector		7610-5002SC (3M)

Engineering Data

■ I/O INFORMATION

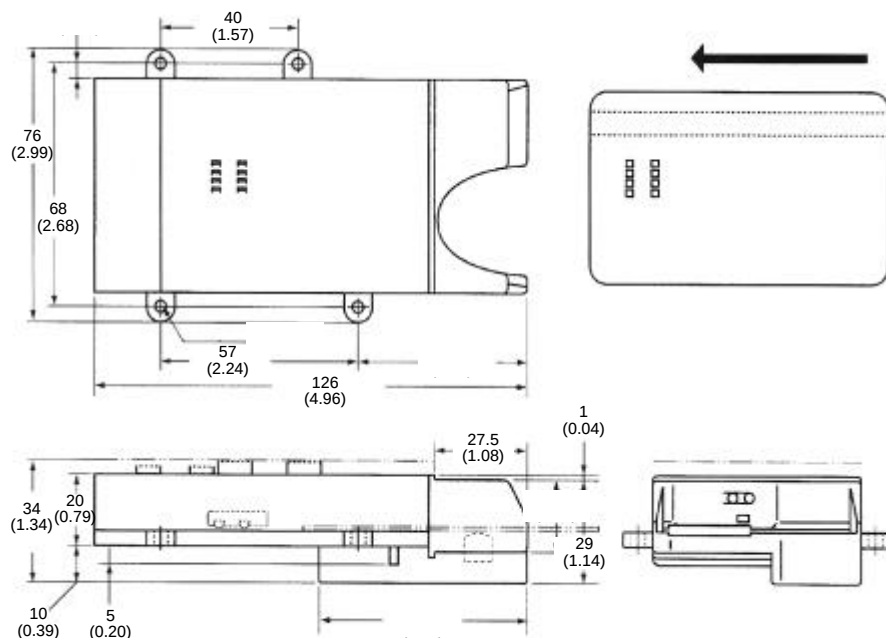
7610-5002SC (3M) interface cable pin location

Pin No.	Signal
1	TXD
2	RXD
3	DTR
4	CTS
5	0V
6	+5V
7	+5V
8	+5V
9	0V
10	0V

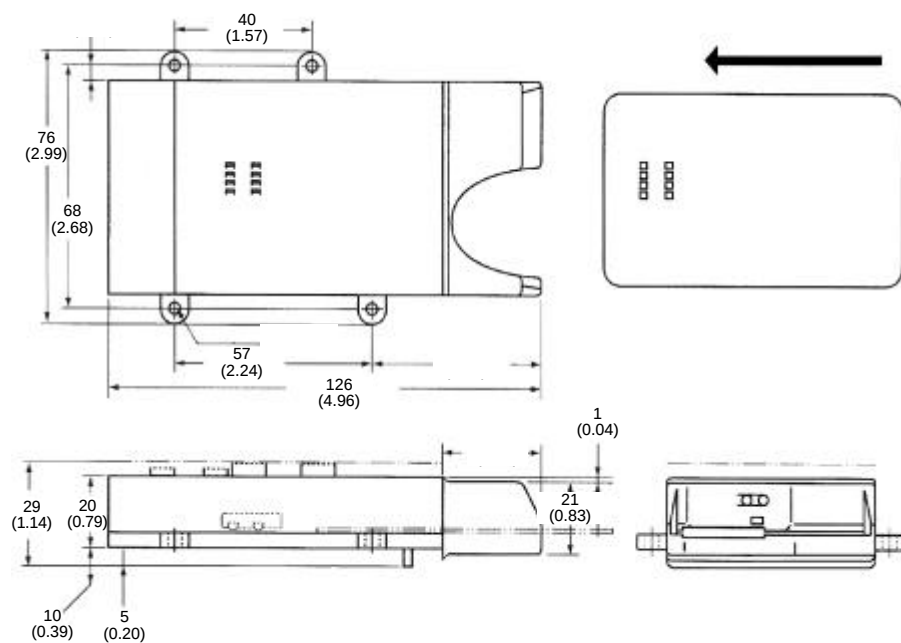
Dimensions

Unit: mm (inch)

■ V4AF-1J-01V, V4AF-1N



■ V4AF-0J-01V



NOTE: DIMENSIONS SHOWN ARE IN MILLIMETERS. To convert millimeters to inches divide by 25.4.

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