

Desktop Smart Card Reader/Writer

V4DF

Desktop Manual Insertion Smart Card Reader/Writer with RS-232C Interface and Housing

- Lightweight and small design for desktop use
- Lifts smart card onto contacts to reduce wear on the card's contacts
- Data is protected even if the card is inadvertently removed from the reader while active
- Card-locking system with push-button release
- Supports transmission protocols T=0 and T=1; also supports EMV



Ordering Information

Magnetic Tracks Supported (R, R/W)											
1	2	3	Center	JIS II	IC Contact	Interface	Card Lock	Cable	Cover	Color	Part Number
—	—	—	—	—	ISO 7816	RS-232C	Manual	Option	Yes	Ivory	V4DF-0J-01V

■ ACCESSORIES

Item	Part Number
Cable	V4BF/DF Cable

■ TYPICAL APPLICATIONS

- Electronic purse
- Access control
- Pay TV
- ID card verification
- Network Access
- PC Peripherals

Specifications

Recommended card type		ISO7816/1-4
Data transmission		1200, 2400, 4800, 9600, 19200, 38400 bps (automatically set)
Data mode		Asynchronous mode
Operating power supply		12 VDC $\pm$ 10% (Supplied by AC adaptor) (including ripple)
Current consumption		130 mA max.
Interface connector		Hirose TM11R-5C-88 (RJ 45)
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
	Storage	20% to 90% RH
Durable vibration		10 to 150 Hz, half amplitude 0.15 mm (2 G max.)
Durable shock		20 G
Dimensions		74 (W) x 124 (D) x 59 (H) mm
Weight		Approx. 200 g
Service life	IC contact	300,000 times min.

Engineering Data

■ I/O INFORMATION

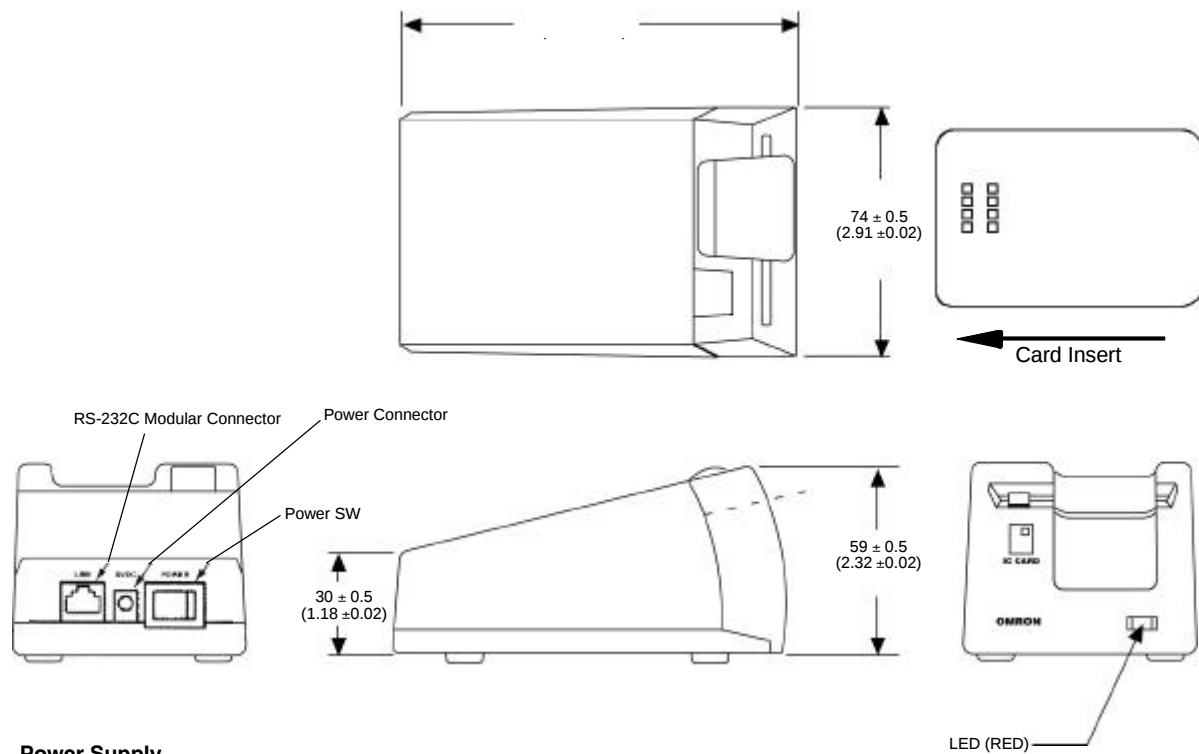
RS-232C interface cable pin location

PC side (D-SUB 9P)		C/R side (RJ-45 8P)	
Pin No.	Signal	Pin No.	Signal
1	—	—	—
2	RxD	8	TxD
3	TxD	7	RxD
4	—	—	—
5	0V	4	0V
6	DSR	6	DTR
7	RTS	5	CTS
8	CTS	—	—
9	—	—	—
Cover	0V	1, 2	0V

Dimensions

Unit: mm (inch)

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Power Supply

AC adapter (12V DC, over 130mA) is to be procured locally.



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

OMRON®
OMRON ELECTRONICS, INC.
One East Commerce Drive
Schaumburg, IL 60173
1-800-55-OMRON

OMRON CANADA, INC.
885 Milner Avenue
Scarborough, Ontario M1B 5V8
416-286-6465