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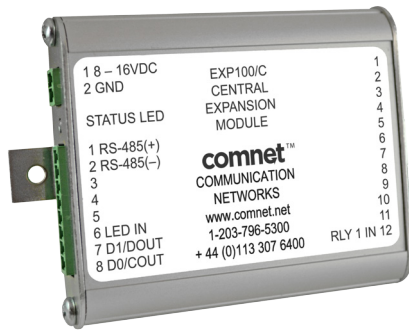
HARDENED



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CONVERTER



When used with the FDW1000 series of fiber optic Wiegand extender modules, the ComNet™ EXP100 Expansion Module enables additional Wiegand-based devices to be added to the network. The 2-wire RS-485 data interface between the expansion modules provides a secure connection, with excellent immunity to electrical noise and interference. Up to 8 EXP100s can be used in a drop-and-repeat/daisy-chain topology, and each EXP100 may be set to a unique address (1 thru 15) via DIP-switch selection. An auxiliary I/O (input/output) interface is available for ascertaining door, gate, and control panel status and signaling, and a relay interface provides the door strike or gate activation functions. The EXP100 is supplied as a remote unit for door or gate locations or a central unit for control panel installation. These units are designed for long-term, reliable operation in harsh industrial environments. Packaged in a rugged aluminum housing, the EXP100 is designed for shelf or surface mounting.

FEATURES

- › RS-485 2-Wire Interface
- › IEEE 802.3 compliant
- › Wiegand-based reader formats/control panel-compatible
- › Secure operation
- › Relay interface provides door strike or gate activation functions
- › Small size: Ideal for use in those installations where space is at a premium
- › Voltage transient protection on all power and signal input/output lines provides protection from power surges and other voltage transient events.

- › No in-field optical adjustments required
- › Status indicating LEDs provide rapid indication of critical operating parameters
- › Plug-and-play design ensures ease of operation
- › Made in the USA
- › Lifetime Warranty

APPLICATIONS

- › Drop-and-repeat/daisy-chain copper media extension of up to 8 gates, doors, and readers, when used with the ComNet™ FDW1000 Optical Wiegand Data Extender

SPECIFICATIONS

Data

Data Interface	RS-485, 2-Wire
	Reader - 0-30VDC
	LED - 0-30VDC
	Analog - 0-5VDC

Power

Input	8 - 16 VDC @ 200mA Max
Output	+5VDC @ 100mA

Electrical & Mechanical

Current Protection	Automatic Resettable Solid-State Current Limiters
Circuit Board	Meets IPC Standard
Size (LxWxH)	3.5 x 2.75 x 0.75 in (8.9 x 7.0 x 1.9 cm)

Environmental

MTBF	>100,000 hours
Operating Temp	-40° C to +80° C
Storage Temp	-55° C to +85° C
Relative Humidity	0% to 95% (non-condensing) ¹

AGENCY COMPLIANCE



ORDERING INFORMATION

Part Number	Description
EXP100/C	Expansion Interface Module, Central Unit
EXP100/R	Expansion Interface Module, Remote Unit
Accessories	DC Plug-in Power Supply, 90-264 VAC, 50/60 Hz (Included)
Options	[1] Add suffix 'C' for Conformally Coated Circuit Boards to extend to condensation conditions (Extra charge, consult factory)

TYPICAL APPLICATION

