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USA

EDGE EVO®

Door Module

EDM-M

INSTALLATION GUIDE

82342-901, Rev B.1
October 2011

The EDGE EVO Door module is wired to interface with the EDGE EVO device (Hi-O Networked Controler & Reader or Networked Controller) with electronic door components. Designed for providing interface to traditional discrete access inputs and outputs, the Door Module provides four input analog/digital inputs and two outputs. Configure the Door Module in two ways; as a primary door interface to REX, Door Position Switch, Battery Fail, Power Fail, Lock, and Aux (Group 1) or as a general purpose input/output module (Group 2).

Specifications

	CONDITIONS		VOLTAGE DC (VDC)	CURRENT (Amp)	OPERATING TEMPERTURE	CABLE LENGTH	UL REF NUMBER
Input	DC Input (NSC)		10.8 to 24VDC	0.04Amp	32° - 122°F (0° - 50° C)	**Inputs** = 500 ft (150 m) **Outputs** = 500 ft (150 m) **Hi-O CAN Bus** Total Length 100 ft (30 m) - 22 AWG ● 0.65mm ● 0.33mm² Maximum between drops 30 ft (10 m) 22 AWG ● 0.65mm ● 0.33mm²	MEDMAxNN x = K for Black G for Grey
Input	DC Input (MAX)		10.8 to 24VDC	0.80Amp			
Input	Supervised inputs (AC, Batt, REX, Door Mon) (MAX)		0-5V Reference	0.005 (Sink)			
Output	Strike / AUX NC or NO DC Output	Regulated or Unregulated (Wet) Jumpers	10-24VDC	0.31 to 0.70Amp *			
Output		Dry Jumpers	+12 to +24VDC External	2.00 ** Amp			

* Shared between relays
** Each relay

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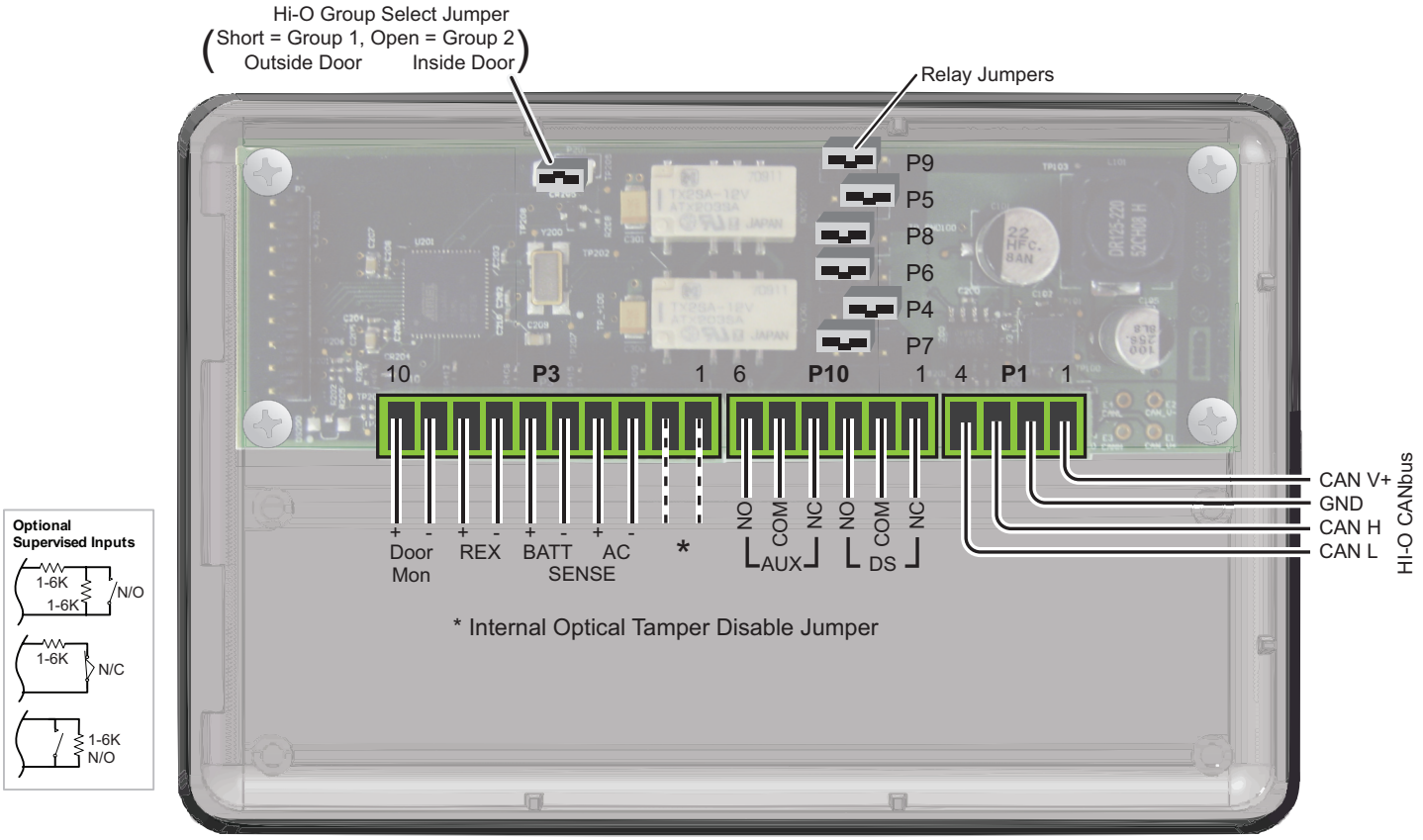
Wiring



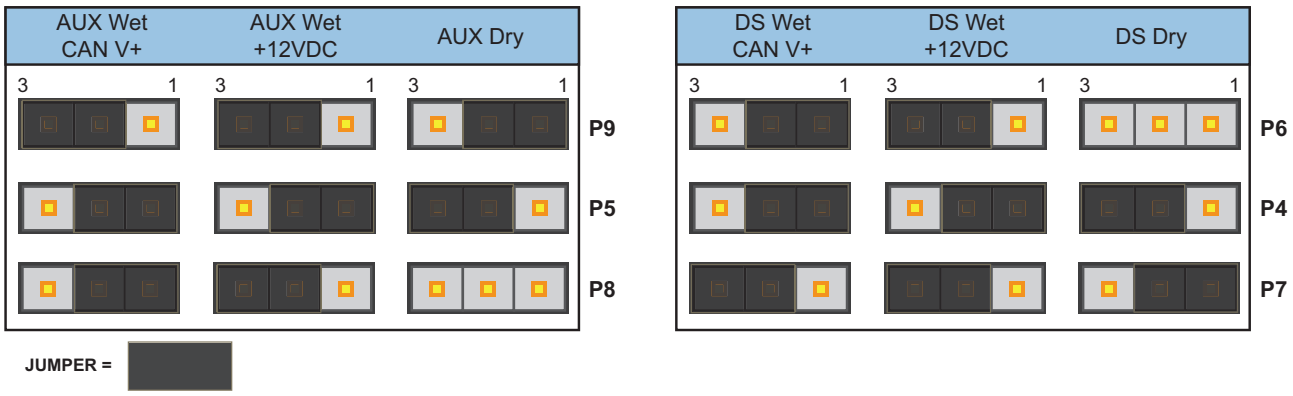
Note: Connect the Door Monitor to avoid a Force Door Alarm.

Internal Optical Tamper

To disable the internal optical tamper sensor for the right side PCB (reader interface board), attach a jumper wire from P3 pin 1 to P3 pin 2.

Note: If desiring an external tamper, wire an unsupervised Normally Closed contact and replace the jumper.

Relay Jumpers



Door Interface Board Groups 1 and 2

Group 1

Following are the inputs when the unit is configured for Group 1.

Input	Port	Pin
AC -	P3	Pin3
AC +	P3	Pin 4
BATT -	P3	Pin 5
BATT +	P3	Pin 6
REX -	P3	Pin 7
REX +	P3	Pin 8
Door Mon -	P3	Pin 9
Door Mon +	P3	Pin 10

Group 2

Following are the inputs when the unit is configured for Group 2.

Input	Port	Pin
Input 4 -	P3	Pin3
Input 4 +	P3	Pin 4
Input 3 -	P3	Pin 5
Input 3 +	P3	Pin 6
Input 2 -	P3	Pin 7
Input 2 +	P3	Pin 8
Input 1 -	P3	Pin 9
Input 1 +	P3	Pin 10

Regulatory

UL

Connect only to a Listed Access Control / Burglary power-limited power supply, or Listed Access Control / Burglary PoE (Power-over-Ethernet) adapter.
All National and local Electrical codes apply. Install in accordance with NFPA70 (NEC), Local Codes, and authorities having jurisdiction.
Indoor use only.
EDGE EVO Modules are UL Listed for installation within a protected area.
Mount onto UL Listed Single-Gang electrical box.
All panic and alarm hardware and equipment shall be UL Listed.
All cabling and wire shall be UL Listed or Recognized and suitable for the application.
All splices and connections shall be mechanically secure and bonded electrically.
For operation, testing and maintenance, refer to the EDGE EVO Hi-O Networked Controller & Reader and Standard Networked Controller Installation Guide, 82000-920.

FCC / CANADA RADIO CERTIFICATION

The EDM-M module complies with part 15 of the FCC rules.
Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
Le fonctionnement est soumis aux deux conditions suivantes : (1) Ce dispositif ne peut pas causer de perturbations nuisibles et (2) ce dispositif doit accepter toute perturbation quelconque qu'il reçoit, y compris des
For all models: FCC Class A ● Canada Class A ● CE Mark – Europe (EU) ● C-Tick – Australia and New Zealand ● VCCI – Japan
Class A Digital Devices - FCC Compliance Statement: This equipment has been tested and found to comply with the limits for a Class. A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense. For regulatory compliance, all connection wires must be bundled together.

CE MARKING

HID Global hereby declares that these proximity readers are in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
The controller portion is in compliance with the essential requirements and other relevant provision of Directive 2004/108/EC.

JAPAN MIC

この装置は認証済みです。

TAIWAN NCC

經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前項合法通信，指依電信法規定作業之無線電通信。低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。
According to «Administrative Regulations on Low Power Radio Waves Radiated Devices» without permission granted by the NCC, any company, enterprise, or user is not allowed to change frequency, enhance transmitting power or alter original characteristic as well as performance to an approved low power radio-frequency devices. The low power radio-frequency devices shall not influence aircraft security and interfere legal communications; If found, the user shall cease operating immediately until no interference is achieved. The said legal communications means radio communications is operated in compliance with the Telecommunications Act.
The low power radio-frequency devices must be susceptible with the interference from legal communications or ISM radio wave radiated devices.

HID

ACCESS experience.

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Patent Pending
Check reader label for current regulatory approvals.

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