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USA

# EDGE EVO<sup>®</sup>

## Lock Module

MODEL: ELM

### INSTALLATION GUIDE

82301-901, Rev B.0

September 2011

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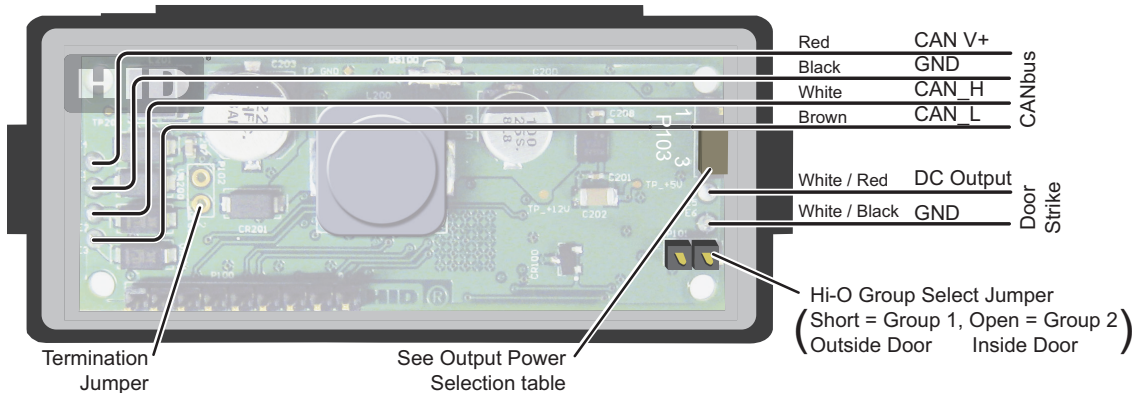
## Lock Module (Base P/N 82301)

This Hi-O interface module is wired to interface the EDGE EVO device (Controller/Reader & Module or Networked Controller) with electronic door components. The 0 x 1 module provides outputs to an electronic locking device.

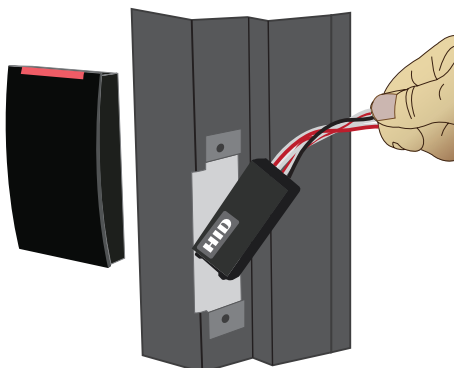
## Specifications

CONDITIONS		VOLTAGE DC (VDC)	CURRENT (Amp)	OPERATING TEMPERATURE	CABLE LENGTH	UL REFERENCE NUMBER
Input	DC Input (NSC)	10.8 to 24VDC	0.04Amp	32° - 122°F (0° - 50° C)	<b>Lock Control Circuit</b> 100 ft (30 m) = 22 AWG • 0.65mm • 0.33mm <sup>2</sup> 200 ft (60 m) = 18 AWG • 1.02mm • 0.82mm <sup>2</sup>	ELMxNN
	DC Input (MAX)	10.8 to 24VDC	1.2Amp		<b>HI-O CAN Bus</b> Total Length 100 ft (30 m) - 22 AWG • 0.65mm • 0.33mm <sup>2</sup> Maximum between drops 30 ft (10 m) 22 AWG • 0.65mm • 0.33mm <sup>2</sup>	
Output	DC Output Jumpers Set to Regulated or Unregulated (Wet) (MAX)	10 to 24VDC	.30 to 1.0Amp			

NSC = Normal Standby Condition



## Mounting



Install the EDGE EVO Lock Module within a UL Listed single-gang electrical box or optionally within a hollow metal door frame (shown).

# 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.

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 Hi-O Networked Controller & Reader and Standard Networked Controller Installation Guide, 82000-920.

## FCC / CANADA RADIO CERTIFICATION

These devices comply 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 (controller portion): 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.



**ACCESS** experience.

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Patent Pending

Check reader label for current regulatory approvals.

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