EDGE EVO®

EDGE EVO Product Category	Standard Controllers, Reader/Controllers and Modules				Hi-O Controllers and Reader/Controllers			Hi-O Interface Modules					
Category Purpose	Single door controller, reader/controller and modules that interface to discrete IO and Wiegand readers.				Single door controller and reader/controller that interface to Hi-O door components and readers.			Interface EDGE EVO Standard or Hi-O Controllers and Reader/Controllers to additional discrete IO, Wiegand and Hi-O iCLASS Readers.					
Model	EH400-K	EHR40-K	EHRP40-K	EHR40-L	EH400	EHR40	EHRP40	EDWM-M	EDM-M	EWM-M	EIM-M	ELM	EVM
Part Number	82000CKE1A	82120CKI0001A	82125CKI0001A	82120CKL0001A	82000CKH1A	82120CKH0001A	82125CKH0001A	82363AKM	82342AKM	82360AKM	82340AKM	82301AN	82365AT
Description	Single door controller with discrete IO and single Wiegand Reader interface all in one package; with optical tamper	Single door controller/reader (13.56 MHz) with separate (secure side mounted) discrete IO interface for door components; with optical tamper	Single door controller/reader (13.56 MHz and 125 kHz) with separate (secure side mounted) discrete IO interface for door components and Wiegand interface; with optical tamper	Single door controller/reader (13.56 MHz) with separate discrete output interface for lock; controller/reader has optical tamper	Single door controller with interface to Hi-O door components and Hi-O iCLASS Reader; with optical tamper	Single door controller/reader (13.56 MHz) with Hi-O interface to Hi-O door components and Hi-O iCLASS Reader; with optical tamper	Single door controller/reader (13.56 MHz and 125 kHz) with Hi-O interface to Hi-O door components and Hi-O iCLASS Reader; with optical tamper	Hi-O Interface Module with interface to discrete IO (4 inputs, 2 outputs) and Wiegand / C&D Reader; with optical tamper	Hi-O Interface Module with interface to discrete IO (4 inputs and 2 outputs); with optical tamper	Hi-O Interface Module with interface to Wiegand Reader; with optical tamper	Hi-O Interface Module with interface to discrete IO (4 inputs); with optical tamper	Hi-O Interface Module with interface to discrete IO (1 output)	Hi-O Interface Module with interface to 1 Hi-O iCLASS Reader
Purpose	Single door controller with interface to 4 inputs, 2 outputs and 1 Wiegand / C&D Reader	Single door controller/reader with interface to 4 inputs and 2 outputs	Single door controller/reader with interface to 4 inputs, 2 outputs and 1 Wiegand / C&D Reader	Single door controller/reader with interface to 1 output	Single door controller with interface to Hi-O door components and Hi-O readers	Single door controller/reader with interface to Hi-O door components		Interface EDGE EVO Controller (/ Reader) Hi-O CANbus to 4 inputs, 2 outputs and 1 Wiegand / C&D Reader	Interface EDGE EVO Controller (/ Reader) Hi-O CANbus to 4 inputs, 2 outputs	Interface EDGE EVO Controller (/ Reader) Hi-O CANbus to 1 Wiegand / C&D Reader	Interface EDGE EVO Controller (/ Reader) Hi-O CANbus to 4 inputs	Interface EDGE EVO Controller (/ Reader) Hi-O CANbus to 1 lock	Interface EDGE EVO Controller (/ Reader) 24VDC Hi-O CANbus to a 5-16VDC Hi-O iCLASS Reader
Default Use (Single Reader, Basic Door Connections)	Interface to door non-Hi-O REX, DPS, Lock and Wiegand / C&D Reader	Interface to door non-Hi-O REX, DPS and Lock	Interface to door non-Hi-O REX, DPS and Lock	Interface to door non-Hi-O lock (door control without door monitoring)	Interface to Hi-O REX, Hi-O DPS, Hi-O Lock and Hi-O iCLASS Reader	Interface to Hi-O REX, Hi-O DPS and Hi-O Lock	Interface to Hi-O REX, Hi-O DPS and Hi-O Lock	Interface to door REX, DPS and Lock OR general purpose inputs / outputs AND Wiegand / C&D Reader	Interface to door REX, DPS and Lock OR general purpose inputs / outputs	Interface to Wiegand / C&D Reader	Monitor general purpose inputs around the door	Use for door control; reader / controller is hooked up to 1 lock output only	Used strictly with Hi-O iCLASS Readers (sold separately) with controller powered over PoE or AUX +24VDC (module downconverts voltage to +12VDC)
Number of Boxes to Install	1	2 (separately located) controller/reader and module located in separate areas		2 (co-located) module mounting inside US single-gang box; controller/reader mounted on the same box	1			1 designed for secure side mount					1
Mounting	US Double-gang, US Single-gang and EU / APAC 60mm	Both controller/reader and module are separately mounted on US Single-gang and EU / APAC 60mm		US Single-gang	US Single-gang and EU / APAC 60mm			US Single-gang and EU / APAC 60mm				Fits within US Single Gang Box or Hollow Door Frame	Fits within US Single Gang or EU / APAC 60mm electrical box
Door IO Connection Termination	Termination within EH400-K	Termination within Hi-O interface module; Hi-O Interface Module is connected to controller/reader using 4-wire Hi-O CANbus		Termination within Hi-O interface module within j-box; Hi-O Interface Module is connected to controller/reader using 4-wire Hi-O CANbus	Termination within EH400 (Hi-O Only)	Termination within EHR40 (Hi-O Only)	Termination within EHRP40 (Hi-O Only)	Termination within Hi-O Interface Module					N/A - interfaces to Hi-O iCLASS Reader
Additional Components Needed to Add a Second Reader	None (if Hi-O iCLASS Reader) EWM or EDWM-M (if Wiegand Reader)	None (if Hi-O iCLASS Reader) EWM or EDWM-M (if Wiegand Reader)	None (if Hi-O iCLASS Reader) None (if Wiegand Reader)	None (if Hi-O iCLASS Reader) EWM or EDWM-M (if Wiegand Reader)	Use Hi-O bus for both readers	None (if Hi-O iCLASS Reader) EWM or EDWM-M (if Wiegand Reader)	EWM or EDWM-M for second RP reader	N/A					
Accessories	Spacer (82100AKD) Reverse Mounting Plate (82100AKD-R)	See EHR40 and EDM-M	See EHRP40 and EDWM-M	Spacer (82100AKA)	Spacer (82100AKB) Reverse Mounting Plate (82100AKB-R)	Spacer (82100AKA)		Spacer (82100AKC) Reverse Mounting Plate (82100AKC-R)				None	
Dimensions	6.1" W x 4.8" H x 1.5" D (154.9 mm x 122.5 mm x 37.1 mm)	See EHR40 and EDM-M	See EHRP40 and EDWM-M	See EHR40 and ELM	3.2" W x 4.7" H x 0.9" D (81.5 mm x 119.6 mm x 22.2 mm)	3.3" W x 4.8" H x 1.2" D (83.9 mm x 122.2 mm x 30.5 mm)		3.3" W x 5.0" H x 1.5" D (84.0 mm x 127.0 mm x 37.0 mm)	3.3" W x 5.0" H x 1.5" D (84.0 mm x 127.0 mm x 37.0 mm)	3.3" W x 5.0" H x 1.5" D (84.0 mm x 127.0 mm x 37.0 mm)	3.3" W x 5.0" H x 1.5" D (84.0 mm x 127.0 mm x 37.0 mm)	1.3" W x 2.9" H x 0.7" D (31.7 mm x 72.9 mm x 18.3 mm)	1.3" W x 1.9" H x 0.7" D (31.9 mm x 47.7 mm x 18.3 mm)
Weight	11.3 oz (320 g)	See EHR40 and EDM-M		See EHR40 and ELM	6.3 oz (180 g)	6.3 oz (180 g)		5.6 oz (160 g)	4.9 oz (140 g)	4.9 oz (140 g)	4.9 oz (140 g)	1.4 oz (40 g)	1.2 oz (33 g)

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