Quiet Duo™ Series
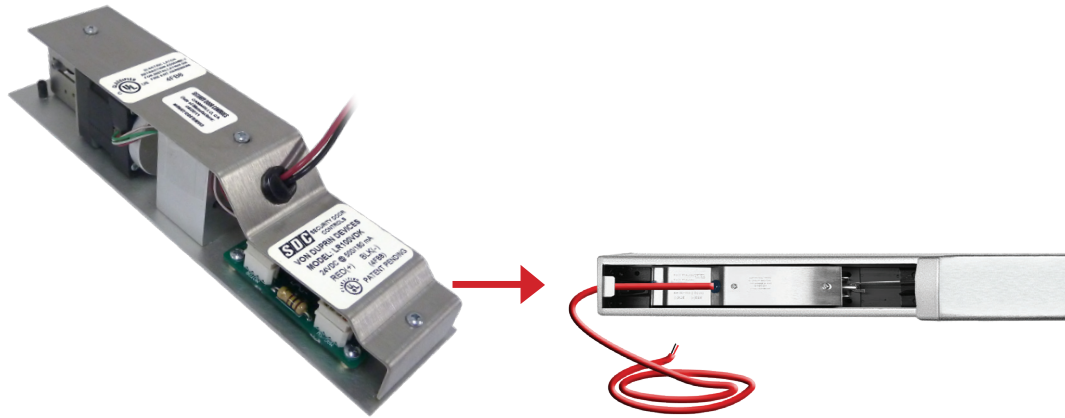## LR100 24V Latch Retraction / Dogging Kit

SDC DESIGNED AND MANUFACTURED

Patents # US 8,851,530

TOP 30 TECHNOLOGY INNOVATIONS 2012 — SECURITY SALES & INTEGRATION

Security Products MAGAZINE — 2012 NEW PRODUCT OF THE YEAR

The SDC LR100 Series Electric Latch Retraction Kit enables electric access control and dogging of mechanical exit devices. When energized the motor retracts the exit device latch and pulls the pushpad into the dogged (depressed) position enabling momentary or sustained push and pull operation of the door.

The latch retraction mechanism may be activated by an access control, remote control device or building automation system. The exit device always provides uninhibited egress.

QUIET DUO™ LR100 Series available for these brands:

• Von Duprin	• Yale	• Corbin Russwin	• Design Hardware	• Hager	• Adams Rite
• Stanley K2	• IDC	• TownSteel	• Arrow	• PHI	• Falcon
• Cal-Royal	• PDQ	• Falcon Dor-O-Matic	•Marshall Best	• Sargent	• SDC
• First Choice	• Tell	• Detex • Marks	• Dorma	• Jackson	• Pamex

Refer to page 2 to confirm compatibility of Rim, Mortise, Surface Vertical Rod for each brand.

FEATURES

- 700 mA Inrush**, 200 mA Continuous @ 24VDC
- For access control and sustained dogging applications
- Simultaneous latch retraction and dogging (pushpad depressed) for most exit devices*
- Pushpad is depressed* electrically for quieter push / pull operation
- Automatic re-trigger if device does not pull on first try

  * on designated models   ** exeptions noted

- Eliminates need for costly replacement of existing exit device
- Significantly less labor and costs compared to competitive retrofit kits
- Low current enables longer wire runs with smaller gauge wire
- No door sequencers required for pairs of manual doors
- Installs in Von Duprin non-fire rated panic device without removing from the door

LR100 series

Standard Opening Width 36"

LR100EM series
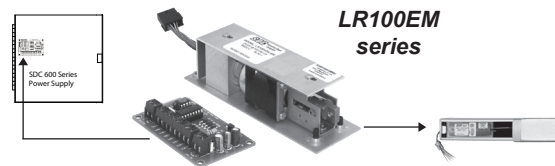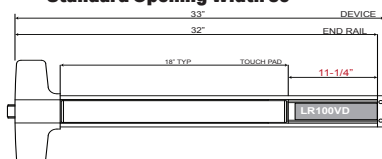
32" Opening (36" Device Modified for 32" Opening)
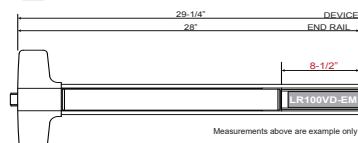
Measurements above are example only - all devices vary

Rim Device

Surface Vertical Device   **Concealed Vertical Device**

Mortise Device
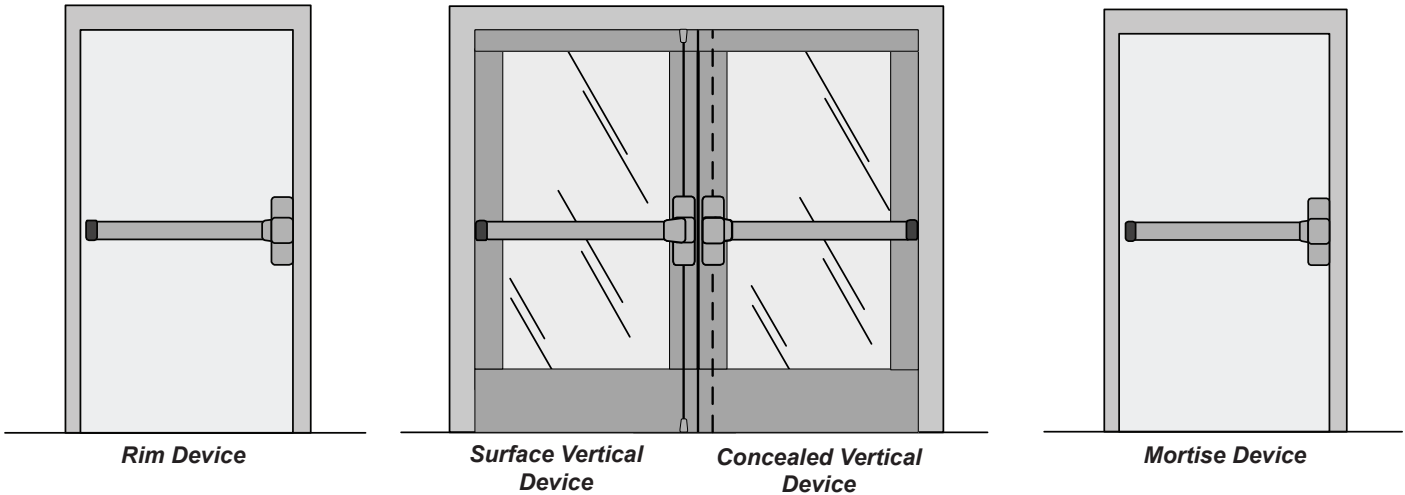
MODELS

(Brands in alphabetical order)

Adams Rite   Exit Device

Opening for	Field Retrofit Kit	Factory Installed
36"- 48"	LR100ARK	LR100AR
30"	LR100ARK-EM	LR100AR-EM

Models

Rim Mount	8700 ‡ / 8800 / 3700
Surface Vertical Rod	8100 / 8200 / 3100
Concealed Vertical Rod	8500 / 8600 / 3600

Options

LRAR1R	REX Status Status Kit

Opening for	Field Retrofit Kit	Factory Installed
36"- 48"	LR100AREXK	LR100AREX

Models

Interlocking Rim Mount	EX88
Pullman Rim Mount	EX89
Concealed Vertical Rod	EX76

* Note: Retracts only the latch ‡ Works With EM version ONLY

Arrow   1000 Series Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36" - 48"	LR100AWK	LR100AW

Models

Rim Mount	S1250
Surface Vertical Rod	S1150

Opening for	Field Retrofit Kit	Factory Installed
36"	LR100AWK-ED910	LR100AW-ED910

Models

Rim Mount	ED910

Corbin Russwin   ED Series Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36" - 48"	LR100CRK	LR100CR
30"	LR100CRK-EM	LR100CR-EM

Models

Rim Mount	ED5200 / ED4200
Surface Vertical Rod	ED5400
Concealed Vertical Rod	ED4800 / ED5800

Options

LRCR1L	Latch Status Kit
LRCR1R	REX Status Kit

* Note: Retracts only the latch

Cal-Royal   Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36"	LR100CAK	LR100CA

Models

Rim Mount	7700 / F7700
Surface Vertical Rod	7760 / F7760

Opening for	Field Retrofit Kit	Factory Installed
36"	LR100CAK-9800	LR100CA-9800

Models

Rim Mount	GLS9800
Concealed Vertical Rod	GLSCVR9800

Opening for	Field Retrofit Kit	Factory Installed
36"	LR100CAK-EM	LR100CA-EM

Models

Rim Mount	2200 / F2200 / 9800 / F9800
Surface Vertical Rod	2260 / F2260 / 9860 / F9860

Options

LRCA2R	REX Status Kit for 7700 / F700 / 7760 / F7760
LRCA1R	REX Status Kit for 9800 / GLSCR9800 Series

Design Hardware — Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36"	LR100DHK	LR100DH

Models

Rim Mount	1000R
Surface Vertical Rod	1000V

Detex — Exit Device

Opening for	Field Retrofit Kit	Factory Installed
36"	LR100DXK	LR100DX

Models

Rim Mount	10 / 40 Series
Surface Vertical Rod	20 / 50 Series
Concealed Vertical Rod	80 / 81 / 62 / 63 Series

Options

LRDX1R	REX Status Kit

Dorma — Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36"	LR100DAK	LR100DA

Models

Rim Mount	9300 / F9300
Surface Vertical Rod	9400 / F9400

Falcon Dor-O-Matic — Exit Devices   ** 1A Inrush

Opening for	Field Retrofit Kit	Factory Installed
36"	LR100FAK**	LR100FA**
33"	LR100FAK-EM**	LR100FA-EM**

Models

Rim Mount	1790
Concealed Vertical Rod	1690

Options

LRFA1R	REX Status Kit

Opening for	Field Retrofit Kit	Factory Installed
36"	LR100DMK	LR100DM

Models

Rim Mount	1590
Concealed Vertical Rod	1490

Falcon — 24/25 Series Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36"	LR100FRK	LR100FR

Models

Rim Mount	25-R / F-25-R / 24-R / F-24-R
Surface Vertical Rod	25-V / F-25-V / 24-V / F-24-V
Concealed Vertical Rod	25-C / F-25-C / 24-C / F-24-C

Options

LRFR1R	REX Status Kit

First Choice — Exit Devices   ** 1A Inrush

Opening for	Field Retrofit Kit	Factory Installed
36"	LR100FCK**	LR100FC**
30"	LR100FCK-EM**	LR100FC-EM**

Models

Rim Mount	3700
Concealed Vertical Rod	3600

Options

LRFC1R	REX Status Kit

Hager — 4500 Series Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36"- 48"	LR100HK	LR100H
30"	LR100HK-EM	LR100H-EM

Models

Rim Mount	4501 - Rim
Surface Vertical Rod	4501 - SVR

Options

LRH1L	Latch Status Kit
LRH1R	Pushpad/Dogging Status or REX Status Kit

IDC (International Door Closers) — 8000 Series Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36"- 48"	LR100IDCK	LR100IDC
30"	LR100IDCK-EM	LR100IDC-EM

Models

Rim Mount	8610 / 8810 / 8510 / 8710
Surface Vertical Rod	8630 / 8830 / 8530 / 8730
Mortise	8620 / 8820
Concealed Vertical Rod	8650 / 8850 / 8550 / 8750

Options

LRIDC1L	Latch Status Kit
LRIDC1R	Pushpad/Dogging Status or REX Status Kit

SDC

Jackson   2000 Series Exit Devices   ** 1A Inrush

Opening for	Field Retrofit Kit	Factory Installed
36"	LR100JAK**	LR100JA**

Models

Rim Mount	2095
Concealed Vertical Rod (top latch)	2085

Parts provided - 628 finish only

Kawneer   Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36"	LR100KWK-EM	LR100KW-EM

Models

Rim Mount	1786[a]

Options

LRKWK1L	Latch Status Kit
LRKWK1R	REX Status Kit

[a] Note: Factory Supplied 36" Device NOT Field Modified

Marks   Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36"	LR100MDK	LR100MD

Models

Rim Mount	M9900
Surface Vertical Rod	M9900VR

Options

LRMD1R	Pushpad/Dogging Status or REX Status Kit for M9900RIM

Marshall Best   Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36"	LR100MBSK	LR100MBS
30"	LR100MBSK-EM	LR100MBS-EM

Models

Rim Mount	Q1100 / QF1100
Surface Vertical Rod	Q1200 / QF1200

Pamex   Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36"- 48"	LR100PAK	LR100PA
30"	LR100PAK-EM	LR100PA-EM

Models

Rim Mount	EF9000
Surface Vertical Rod	EF9000V
Concealed Vertical Rod	EF9020V

PDQ   Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36"- 48"	LR100PDQK	LR100PDQ

Models

Rim Mount	6200R
Surface Vertical Rod	6200V

PHI (Precision Hardware)   Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36"	LR100PDK	LR100PD

Models

Rim Mount	2100 / 2400
Surface Vertical Rod	2200 LBR
Concealed Vertical Rod	2800 LBR / 2600
Rim Mount	5100
Surface Vertical Rod	5200 LBR

Options

LRP1L	Latch Status Kit for PHI Rim 2000 Series
LRP2L	Latch Status Kit for PHI Vertical Rod 2000 Series
LRP1R	REX Status or Pushpad/Dogging Status for PHI 2000 Series

Sargent   Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36"- 48"	LR100SGK	LR100SG
30"	LR100SGK-EM	LR100SG-EM

Models

Rim Mount	8500 / 8800
Surface Vertical Rod	8700
Concealed Vertical Rod	8400 / 8600
Mortise	8300 / 8900

Options

LRSG2R	Latch Status and REX Status or Pushpad/Dogging Status Kit

SDC   6000 Series Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36"-48"	LR100SDCK	LR100SDC
30"	LR100SDCK-EM	LR100SDC-EM

Models

Rim Mount	S6100
Surface Vertical Rod	S6200
Mortise	S6300
Concealed Vertical Rod	S6800

Options

LRSDC1L	Latch Status Kit
LRSDC1R	Pushpad/Dogging Status or REX Status Kit

Stanley K2 — QED Series Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36"- 48"	LR100K2K	LR100K2
30"	LR100K2K-EM	LR100K2-EM

Models	
Rim Mount	QED111
Surface Vertical Rod	QED114
Concealed Vertical Rod	QED124

Options	
LRK2R	Latch Status and REX Status or Pushpad/Dogging Status Kit

Von Duprin — 22 Series Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36"- 48"	LR100VDK-22	LR100VD-22
30"	LR100VDK-22-EM	LR100VD-22-EM

Models	
Rim Mount	22
Surface Vertical Rod	2227

Options	
LRVD1L	Latch Status Kit for 22 Series
LRVD2R	REX Status or Pushpad/Dogging Status for 22 Series

Tell — Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36"	LR100TEK	LR100TE

Models	
Rim Mount	9500
Surface Vertical Rod	9400

TownSteel — ED1100 Series Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36"- 48"	LR100TSK	LR100TS
30"	LR100TSKEM	LR100TSEM

Models	
Rim Mount	ED1100
Surface Vertical Rod	ED1200
Concealed Vertical Rod	ED1300

Options	
LRTS1R	REX Status or Pushpad/Dogging Status Kit

Opening for	Field Retrofit Kit	Factory Installed
36"	LR100TSK-55/56	LR100TS-55/56

Models	
Rim Mount	ED5500
Surface Vertical Rod	ED5600

Options	
LRTS2R	REX Status or Pushpad/Dogging Status Kit FOR ED5500

Opening for	Field Retrofit Kit	Factory Installed
36"	LR100TSK-65/67	LR100TS-65/67

Models	
Rim Mount	ED6500
Surface Vertical Rod	ED6700

Von Duprin — 98/99 and 33/35 Series Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36"- 48"	LR100VDK	LR100VD
30"	LR100VDK-EM	LR100VD-EM

Models		
Rim Mount	98/99	33A / 35A
Surface Vertical Rod	9827/9927	3327A / 3527A
Concealed Vertical Rod	9847/9947	3347A / 3547A
Mortise	9875/9975	
Three Point latching	9857/9957	

| Options	
LRVD1L	Latch Status Kit for Von Duprin 98/99
LRVD2L	Latch Status Kit for Von Duprin 33A/35A Rim
LRVD1R	REX Status or Pushpad/Dogging Status for Von Duprin 98/99 Series and Von Duprin 33/35 Series

Yale — 7000 Series Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36"	LR100YDK	LR100YD
30"	LR100YDK-EM	LR100YD-EM
42"- 48"	LR100YDK-42/48	LR100YD-42/48

Models	
Rim Mount	7100, 7100-2, 7200
Surface Vertical Rod	7110, 7210
Concealed Vertical Rod	7120, 7220

Options	
LRY1L	Latch Status Kit
LRY1R	REX Status Kit

SDC

Quiet Duo™ Series
IP100 12V Latch Retraction / Dogging Kit

SDC DESIGNED AND MANUFACTURED
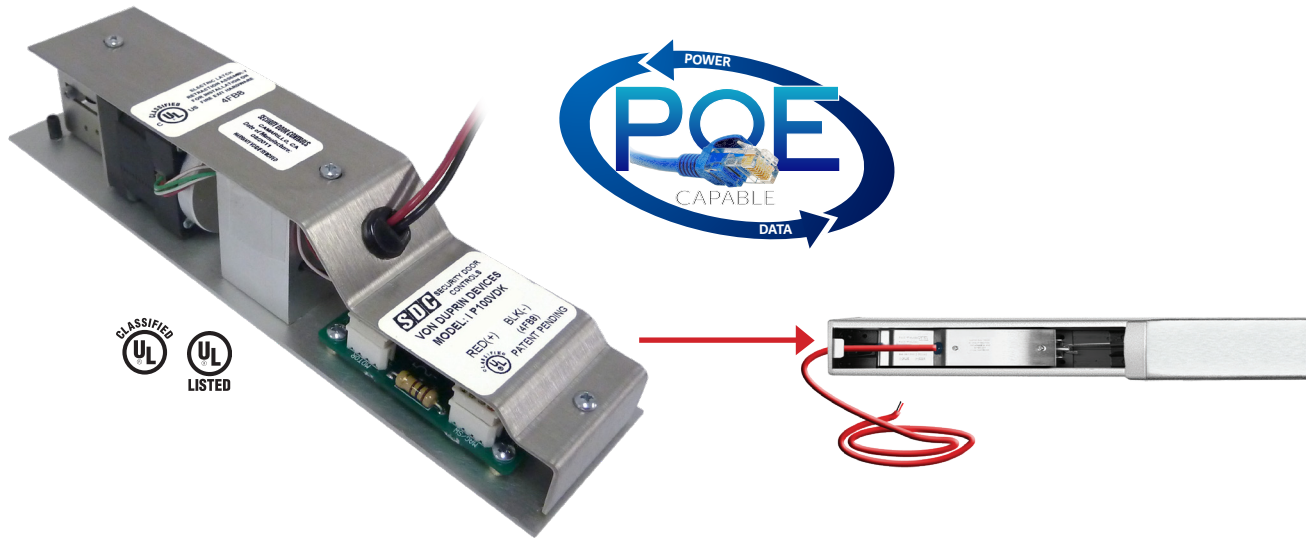
The SDC IP100 Series 12V PoE-Capable Electric Latch Retraction Kit enables electric access control and dogging of mechanical exit devices. When energized the motor retracts the exit device latch and pulls the pushpad* into the dogged (depressed) position enabling momentary or sustained push and pull operation of the door.

The latch retraction mechanism may be activated by an access control, remote control device or building automation system. The exit device always provides uninhibited egress.

QUIET DUO™ IP100 Series available for these brands:

- Von Duprin
- SDC
- Corbin Russwin
- Hager
- Sargent
- Yale
- Adams Rite
- Falcon

Refer to page 2 to confirm compatibility of Rim, Mortise, Surface Vertical Rod for each brand.

FEATURES

- 700 mA Inrush, 110 mA Continuous @ 12VDC
- Power Over Ethernet (PoE) Capable
- For access control and sustained dogging applications
- Simultaneous latch retraction and dogging (pushpad depressed) for most exit devices*
- Pushpad is depressed* electrically for quieter push / pull operation
- Automatic re-trigger if device does not pull on first try
- Eliminates need for costly replacement of existing exit device
- Significantly less labor and costs compared to competitive retrofit kits
- Low current enables longer wire runs with smaller gauge wire
- No door sequencers required for pairs of manual doors

* on designated models

SECURITY DOOR CONTROLS ▪ WWW.SDCSECURITY.COM   6   ACCESS & EGRESS SOLUTIONS - THE LOCK BEHIND THE SYSTEM

SPECIFICATIONS

Voltage	12VDC		Current	700mA inrush, 200mA continuous

MODELS

Adams Rite   Exit Device

Opening for	Field Retrofit Kit	Factory Installed
36"	IP100ARK	IP100AR

Models	
Rim Mount	8700 / 8800 / 3700

* Note: Retracts only the latch

Corbin Russwin   ED Series Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36"	IP100CRK	IP100CR

Models	
Rim Mount	ED5200 / ED4200

Options	
LRCR1L	Latch Status Kit
LRCR1R	REX Status Kit

* Note: Retracts only the latch

Falcon   24/25 Series Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36"	IP100FRK	IP100FR

Models	
Rim Mount	25-R / F-25-R / 24-R / F-24-R

Hager   4500 Series Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36"- 48"	IP100HK	IP100H

Models	
Rim Mount	4501 - Rim
Surface Vertical Rod	4501 - SVR

Options	
LRH1L	Latch Status Kit
LRH1R	Pushpad/Dogging Status or REX Status Kit

Sargent   Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36"- 48"	IP100SGK	IP100SG
30"	IP100SGK-EM	IP100SG-EM

Models	
Rim Mount	8800
Surface Vertical Rod	8700

Options	
LRSG1R	REX Status Kit

* Note: Retracts only the latch

SDC   6000 Series Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36"-48"	IP100SDCK	IP100SDC

Models	
Rim Mount	S6100
Surface Vertical Rod	S6200

Options	
LRSDC1L	Latch Status Kit
LRSDC1R	Pushpad/Dogging Status or REX Status Kit

Von Duprin   98/99 and 33/35 Series Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36""	IP100VDK	IP100VD
42" - 48"	IP100VDK-42/48	IP100VD-42/48

Models		
Rim Mount	98 / 99	33A / 35A
Surface Vertical Rod	9827 / 9927	3327A / 3527A

* Note: Retracts only the latch

Yale   7000 Series Exit Devices

Opening for	Field Retrofit Kit	Factory Installed
36"	IP100YDK	IP100YD

Models	
Rim Mount	7100 / 7102 / 7200

Options	
LRY1L	Latch Status Kit
LRY1R	REX Status Kit

* Note: Retracts only the latch

SDC

ACCESSORIES

POWER SUPPLIES

602RF 1 Amp, 12/24VDC Power Supply, UL 294 Listed for use with up to two 24VDC devices. Add one EMC sequencer for 2 single or 1 pair of automatic doors

632RF 2 Amp, 12/24VDC Power Supply, UL 294 Listed for use with up to four 24VDC devices. Add two EMC sequencers for 4 single or 2 pairs of automatic doors

TWO DOOR SEQUENCER

EMC 2 Station Door Sequencer

Each EMC provides interface and sequencing for two single or one double automatic door. Not required for manual doors.

POWER TRANSFER DEVICES

PTH-4Q Power Transfer Hinge, 4 Wire, UL Listed, Fire Rated

PTH-10Q Power Transfer Hinge, 10 Wire, UL Listed, Fire Rated

PT-5 Mortise Power Transfer Device, UL 294 Listed, Fire Rated

PT-3V Stainless Steel Door Loop with Surface Wire Junction

PTM-2 Electric Power Transfer Device, (2) 18 GA Wires, 5 Amp Max., UL Listed, Fire Rated

PTM-10 Electric Power Transfer Device, (10) 24 Ga. Wires, 1 Amp Max., UL Listed, Fire Rated

PTM PT-5 PT-3V PTH