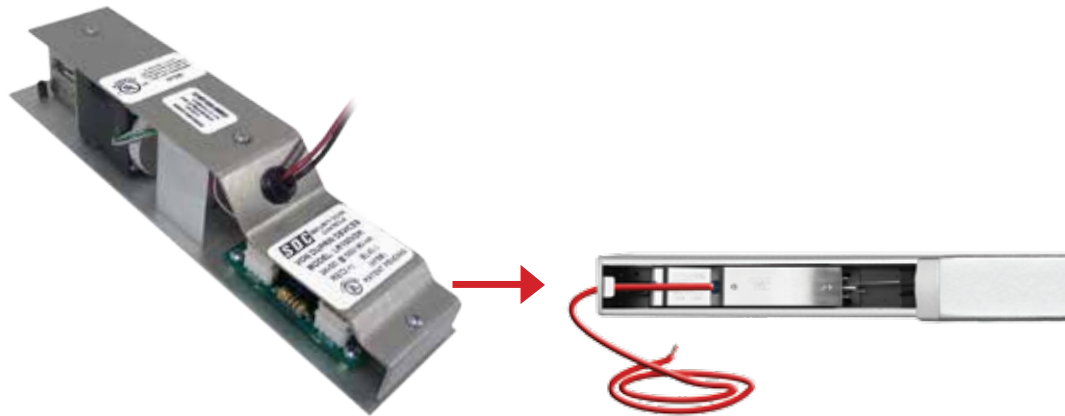


Quiet Duo™ Series

LR100 24V Latch Retraction / Dogging Kit

SDC DESIGNED AND MANUFACTURED

Patents # US 8,851,530



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 | • Dor-O-Matic | • Hager | • Adams Rite |
| • Stanley K2 | • IDC | • TownSteel | • Arrow | • PHI | • Falcon |
| • Cal-Royal | • PDQ | • Falcon IR | • Marshall Best | • Sargent | • SDC |
| • First Choice | • Tell | • Detex | • Dorma | • Jackson | |

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

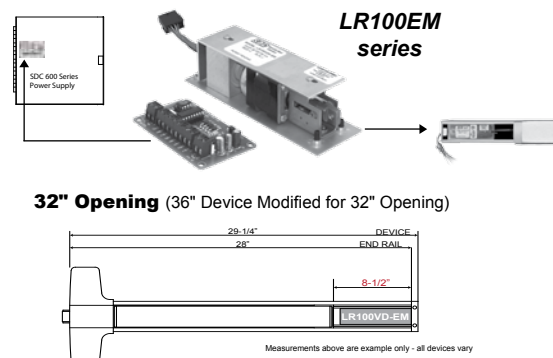
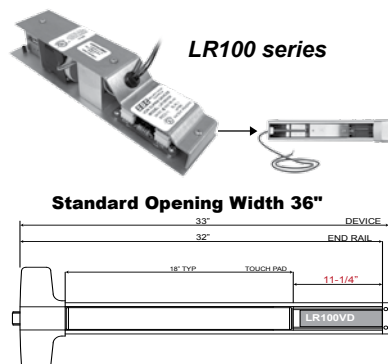


FEATURES

- 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 ** exceptions noted

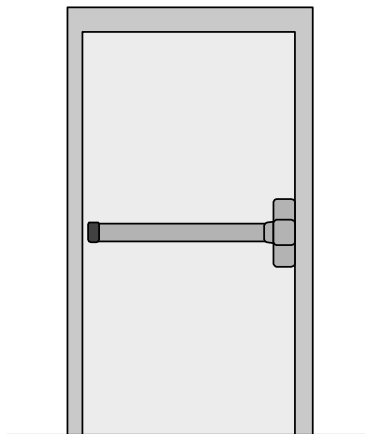
- Eliminates need for costly replacement of existing exit device
- Significantly less labor and costs compared to competitive retrofit kits
- Low current enables longer wire runs with smaller gauge wire
- No door sequencers required for pairs of manual doors
- Installs in Von Duprin non-fire rated panic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



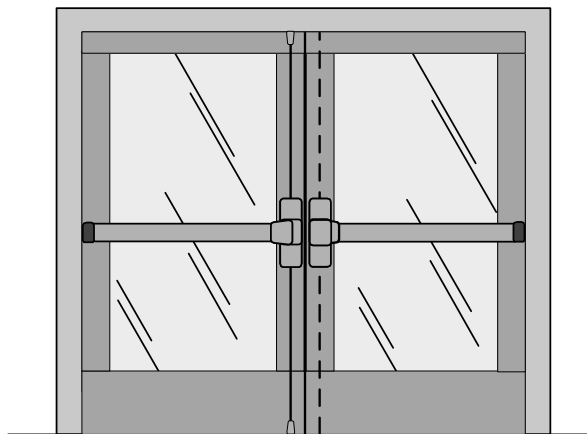
Measurements above are example only - all devices vary

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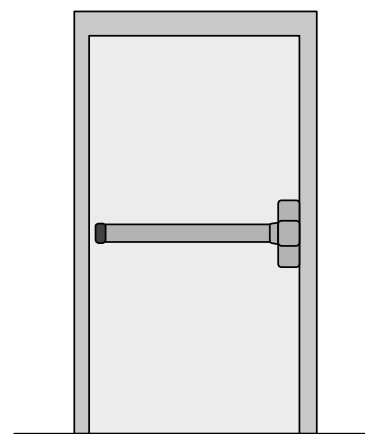




Rim Device



Surface Vertical Device



Mortise Device

Concealed Vertical 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	

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

Corbin Russwin			ED Series Exit Devices	
Opening for	Field Retrofit Kit		Factory Installed	
36"	LR100CRK		LR100CR	
30"	LR100CRK-EM		LR100CR-EM	
42" - 48"	LR100CRK-42/48		LR100CR-42/48	
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

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	

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	



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 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 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	

Falcon Dor-O-Matic Exit Devices ** 1A Inrush		
Opening for	Field Retrofit Kit	Factory Installed
36"	LR100FAK**	LR100FA**
30"	LR100FAK-EM**	LR100FA-EM**
Models		
Rim Mount	1790	
Concealed Vertical Rod	1690	
Opening for	Field Retrofit Kit	Factory Installed
36"	LR100DMK	LR100DM
Models		
Rim Mount	1590	
Concealed Vertical Rod	1490	

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	

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	

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	
Concealed Vertical Rod (top bolt)	2086	

Parts provided - 628 finish only

Marks Exit Devices		
Opening for	Field Retrofit Kit	Factory Installed
36"	LR100MDK	LR100MD
Models		
Rim Mount	M9900	
Surface Vertical Rod	M9900VR	

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	

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 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	

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 33/35 Series	
LRVD1R	REX Status or Pushpad/Dogging Status for Von Duprin 98/99 Series and Von Duprin 33/35 Series	

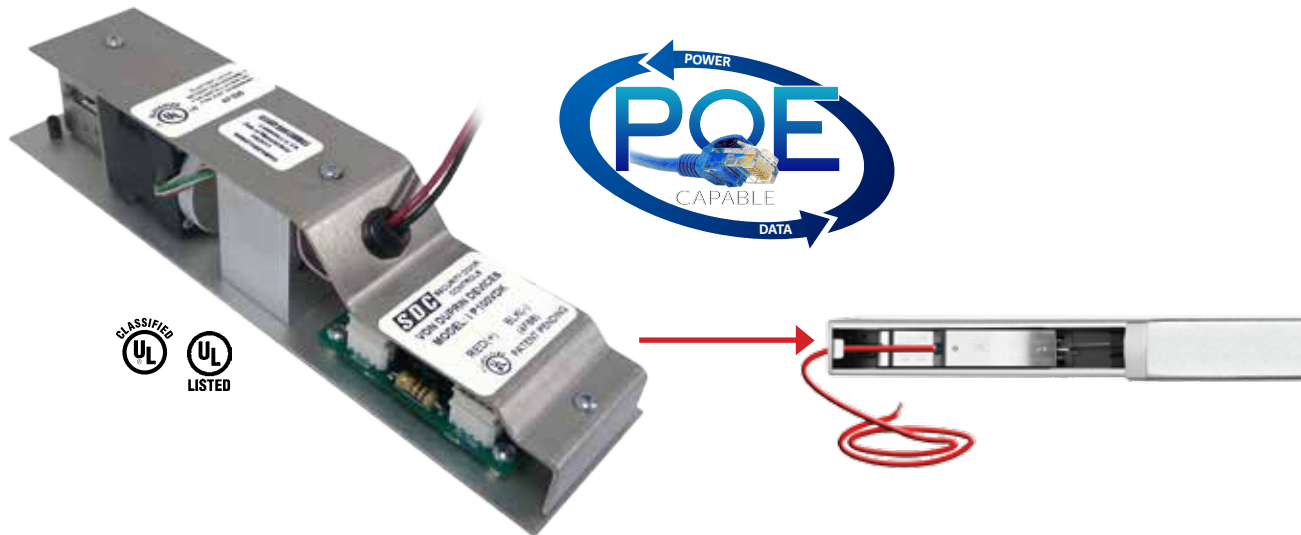
Yale 7000 Series Exit Devices		
Opening for	Field Retrofit Kit	Factory Installed
36"	LR100YDK	LR100YD
30"	LR100YDK-EM	LR100YD-EM
42" - 48"	LR100YDK-42/48	LR100YD-42/48
Models		
Rim Mount	7100, 7100-2, 7200	
Surface Vertical Rod	7110, 7210	
Concealed Vertical Rod	7120, 7220	
Options		
LRY1L	Latch Status Kit	
LRY1R	REX Status Kit	

* Note: Retracts only the latch

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





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

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

