

Product Guide 39A



COMMAND ACCESS
TECHNOLOGIES



ABOUT US

Command Access is a manufacturer and modifier of high quality electric locks, panic hardware, power transfer products, power supplies and support components. From our first shipment in 1999, we have been dedicated to customer service and satisfaction. Our goal as a company is to build relationships based on quality products, superb communication, and pricing programs that provide our customers a competitive advantage.

In an effort to better serve our customers, Command Access has adapted to the needs of the industry. We developed an in-house technical support staff, along with a research and development team to assist you with your application and solution needs. We created our own line of power supplies, power transfer products and support components that allow our products and others to work together flawlessly. We maintain a large inventory of major manufacturers complete locksets, exit devices and hinges (modified by Command Access) available in a variety of options and finishes. We strive to ship stock items within 24 hours and non-stock items within a week.

Our goal at Command Access is to ensure that your expectations are met and surpassed every time we do business.

LIMITED WARRANTY



Command Access Technologies ("CAT") warrants that its products are free from defects in workmanship and material under normal use and service. Since CAT does not control product usage, CAT makes no representation as to the degree of security conveyed by the use of any product. This warranty does not cover defects or damage which occur from improper maintenance, improper storage, improper installation, shipping and handling, ordinary wear and tear, misuse, abuse, accidents, unauthorized service, work done by others or consequential damages.

CAT will not pay for the cost of repair performed other than in accordance with this warranty. CAT can only perform authorized warranty work at the factory. CAT's only liability, in tort or contract, whether under this warranty or otherwise, is limited to providing repair or replacement of any product or component part which is proven to be defective as covered by the warranty, within three (3) years after delivery from CAT to the original purchaser. Written notice of a product or component part believed to be defective, as covered by this warranty, should be sent to Command Access Technologies, 22901 La Palma Avenue, Yorba Linda, CA 92887.

Include Claimant's name, address, phone number, and identification of the product, invoice number and date, and a brief description of the defect. Upon receipt of such notice, a CAT representative will contact claimants to where to ship such product or component part, with shipping charges prepaid, for examination and, in the event such examination reveals a defect covered by this warranty, the product will be repaired or replaced. This warranty is in lieu of all other express warranties. To the extent permitted by law, all implied warranties are limited to the duration of this warranty.

CAT shall not be liable for any incident or consequential damages. Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above may not apply to you. This warranty gives you specific legal rights, and you may have other rights, which vary, from state to state.

TABLE OF CONTENTS

4 Mortise Locks



8 Cylindrical Locks



12 Exit Devices



22 Power Supplies

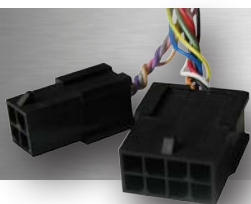


28 Energy Transfer Hinges (ETH/ETM)



Page

4	Mortise Locks	22	Power Supplies
8	Cylindrical Locks	26	Auxiliary Boards
10	Exit Device Trims	28	Energy Transfer Hinges (ETH/ETM)
12	Exit Devices	29	Hinge Cross Reference
18	Exit Device Kits	30	Pivots & Concealed Door Loops (CDL)
20	Power Accessories	31	CDL-EXT and Surface Door Loops

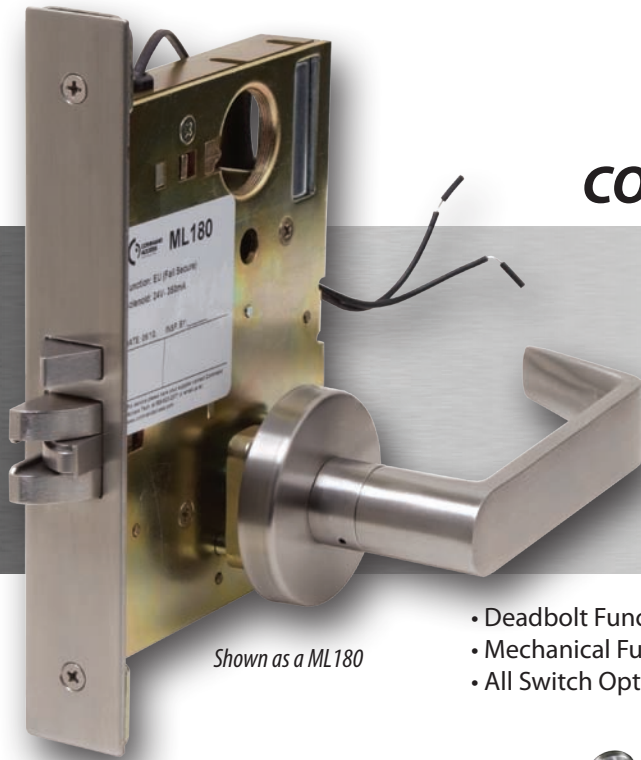


molex

Micro-Fit 3.0™ Interconnect System available to retrofit common quick connection systems such as ElectroLynx®.

ElectroLynx® is a registered trademark of Assa Abloy





Shown as a ML180

COMMAND ACCESS ML1 SERIES

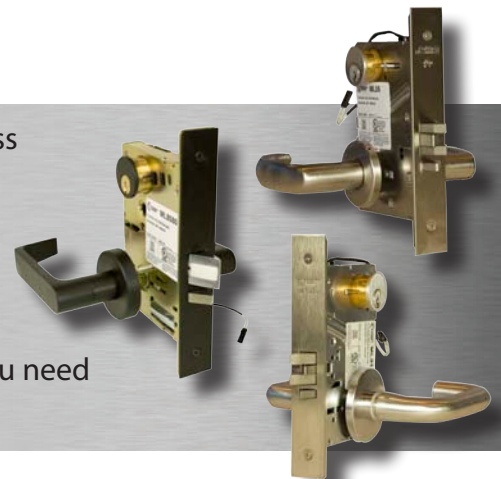
The Command Access ML1 series lock offers the quality and features found in premium-quality, domestically made ANSI grade 1 mortise locks, yet at a significantly lower cost. The electrification and part tolerance maintenance is done here in the USA to ensure CAT's high quality standards are met. The ML1's chassis and trim are compatible with the Schlage "L" series locks so retrofitting to Schlage prep is never a problem.

- Deadbolt Functions Available
- Mechanical Functions Available
- All Switch Options Available
- Retrofits Schlage L series trim
- Complete Lock or Chassis Only
- Available Finishes: 605, 606, 612, 613, 625, 626



ELECTRIFIED MORTISE LOCKS

Command Access modified electrified mortise locks allow remote keyless access and egress control for heavy use applications where security and safety are critical. Common applications include stairwell doors, lobby entrances, computer rooms, classrooms and exterior doors. Electrified mortise locks may be purchased as complete locks, chassis only or our customers may provide us locks for modification. Please refer to the chart on the next page for brand specifics. If you don't see the brand you need listed, please contact us.



FEATURES

- UL and CSFM listings (available online)
- Continuous duty solenoids for cooler operation during "continuously on" applications.
- Standard plug-in rectifier allows for an AC or DC power source
- Low current draw
- Numerous switch options (see next page)
- 3 year "no hassle" warranty

SPECIFICATIONS

- Voltage requirement – 12VAC/DC or 24VAC/DC
- Amperage – 700mA @ 12V or 350mA @ 24V
- Function – available "fail safe" or "fail secure"



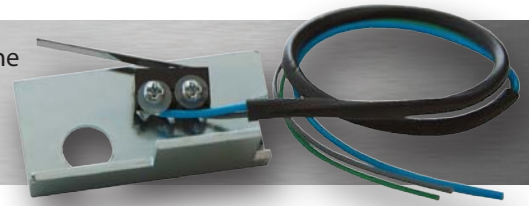
OPTIONAL ACCESSORIES FOR MORTISE LOCKS

REXKIT-ML

Field Installable Request-to-Exit switch - Sends a signal to alert the control panel that the door is about to be opened by someone exiting from within the secured area.

Models: SCHREXKIT-ML (all Schlage L-9000 series mortise lever locks)

CATREXKIT-ML (all Command Access ML1 series mortise lever locks)



SWITCHES*

Factory installed signalling switches are SPDT and available for the following applications:

- REX - Request-to-Exit switch available
- DPS - Door Position switch (see matrix below for brand availability)
- LBM - Latchbolt Monitor switch (see matrix below for brand availability)
- DBM - Deadbolt Monitor switch (see matrix below for brand availability)

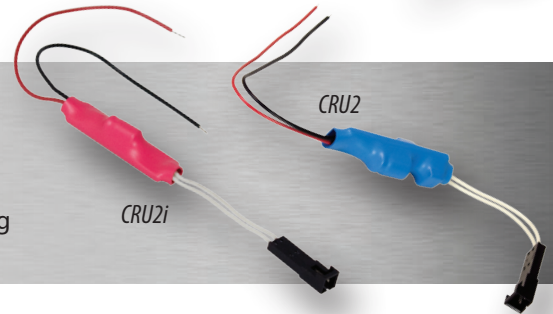
* For additional switch options refer to specification page at www.commandaccess.com



CURRENT REDUCTION UNITS (see page 21 for full specifications)

Command Access current reduction units are recommended for all "fail safe" or "extended unlock cycle" applications to reduce heat and extend solenoid life

- CRU2i - Intelligently detects 12 to 30VAC/DC input voltage and converts it to operate our 12V locks
- CRU2 - Manually adjustable module allows the installer to fine tune the holding current and maximize the efficiency of our 12 or 24VAC/DC mortise locks



MORTISE LOCK MODIFICATION AND INVENTORY CHART

To find out what mechanical chassis model #'s are used for modifications, go to www.commandaccess.com

Brand modified ²	Electrified Functions					Optional Switches				In-stock Chassis & Trim				In-stock Finishes				
	Storeroom	Classroom	Institution	Entrance w/ deadbolt	Privacy w/ deadbolt (EU only)	Request-to-Exit (REX)	Door Position (DPS)	Latchbolt Monitor (LBM)	Deadbolt Monitor (DBM)	Chassis only	(Tubular)	(Bent)	(Straight)	(Curved)	626 (Brushed Chrome)	613 (Oil Rubbed Bronze)	625 (Polished Chrome)	Other
Baldwin	MLB51/53			• ¹		•	•	•										
Best	ML45D		ML45W	ML453D		•	•	•	•	03	15	14		•	•	•		
Cal Royal	ML8080		ML8053	ML8053		•	•	•		Call for availability								
Command Access	ML180	ML170	ML182	ML1480	ML1485	•	•	•	•	L3	L6	L7	L17	•	•	•	605/606/612	
Corbin Russwin	ML03/05		ML01/04			•	•	•	•	L	N	P		•	•	•	630	
Falcon	MLS1/81		ML11/21	ML651/681		•	•	•	•									
Sargent	ML370/371	ML337	ML372/373			•	•	•	•	J	L	B	P	•	•	•		
Schlage	ML80	ML70	ML82	ML480	ML485	•	•	•	•	03	06	07	17	•	•	•	605/606/612	
Yale	ML90/91		ML94/95			•	•	•	•	Call for availability								

NOTE: 1. Multiple configurations available (see website for details).
 2. Call factory for current safety agency listings.

NEW INNOVATIVE SOLUTION LATCH PULLBACK MORTISE LOCK

COMMAND ACCESS LPM1 SERIES



Shown as a LPM180



The Command Access LPM180 mortise lock brings electric latch pullback to a standard mortise lock. When energized the latchbolt is completely retracted allowing a push-pull condition. This revolutionary product accomplishes what previously could only be done with electric strikes or electric latch pullback exit devices. Local interface module allows for up to 350' long wire runs. The LPM180 is an ideal solution for conditions requiring automatic door openers but no need for exit devices or for creating a push-pull condition on an unlock cycle and then securing the opening at a certain time thereafter. The LPM180 may be purchased as a complete lock (with lever trim and cylinder) or chassis only*.

*Will retrofit to an existing Schlage L9000 series trim.



FEATURES

- No special lock prep required – fits standard mortise pocket prepped for a Schlage “L” series lock
- Utilizes our patented PM/PWM200 technology
- Circuitry allows for momentary or “continuously on” (push/pull) applications
- May be powered by Command Access PS1N, PS5-4 or PS5-6 power supplies
- Complete lock or chassis only
- 3-Year “no hassle” warranty

SPECIFICATIONS

- Voltage requirement – 24 to 30VDC
- Holding Current - 250mA
- Functions: **LMP110EU** (fail secure passage)
LMP180EU (fail secure storeroom)



PS1N



PS5-6

OPTIONAL ACCESSORIES FOR LATCH PULLBACK MORTISE LOCKS

SWITCHES

Factory installed signalling switches are SPDT and available for the following applications:

- REX - Request-to-Exit switch available
- LBM - Latchbolt Monitor switch



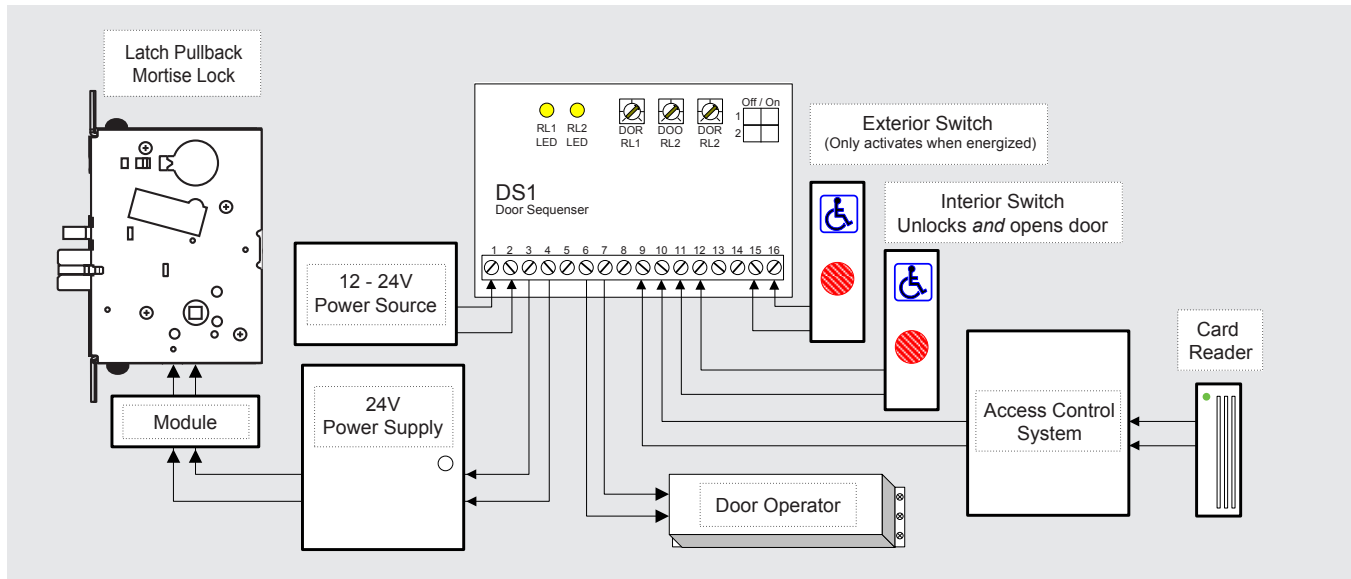
APPLICATIONS FOR LATCH PULLBACK MORTISE LOCKS

ENTRY APPLICATION

The Command Access LPM180 mortise lock may be utilized in conjunction with entrances requiring access control and automatic door operators. Inside free egress can be attained through activating the inside push button to initiate the auto operator to open the door or by operating the inside lever to manually open the door. Outside access is controlled by the access control system or by physical key override. Electronic access can only be attained if the system has pulled back the latch bolt via a valid card swipe or a timed open sequence. Once latch pullback is achieved, the door can now be opened manually or by activating the outside push button to initiate the auto operator to open the door.

APPLICATIONS INCLUDE:

- Hospitals
- Schools
- ADA Compliance
- Office Entrances

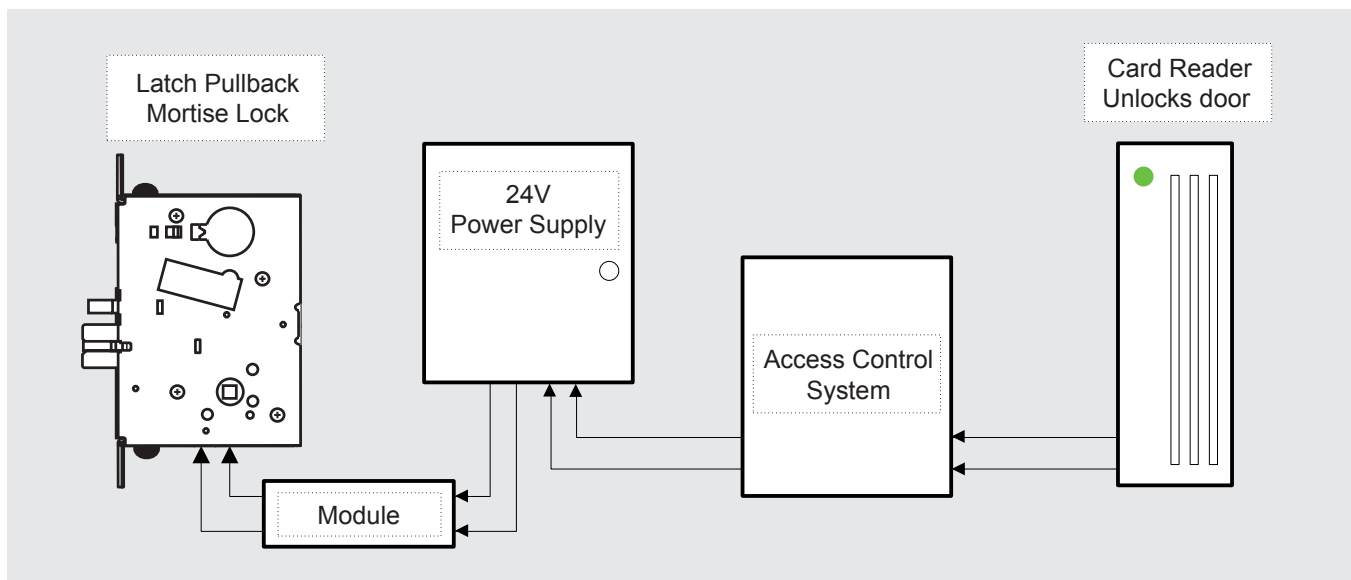


CONTROLLED ACCESS APPLICATION

The Command Access LPM180 mortise lock may be utilized in conjunction with any access control application using standard mortise locksets. When activated the LPM180 creates a push/pull that satisfies both in-swinging and out-swinging doors. Inside free egress can be attained by turning the inside lever to manually open the door. Outside access is controlled by the access control system or by physical key override.

APPLICATIONS INCLUDE:

- Offices
- Restrooms
- Dressing Rooms
- ADA Compliance



COMMAND ACCESS CL1 SERIES



Shown as a CL180

The Command Access CL1 series lock offers the quality and features found in premium quality, domestically made ANSI grade 1 cylindrical locks, yet at significantly lower cost. The electrification and parts tolerance maintenance is done here in the USA to ensure our high quality standards are met. We fortify the electrified versions of the CL1 with our own "tight tolerance" parts to ensure years of trouble free operation.

The CL1's clutching design dramatically increases its resistance to abuse. We stock the CL1 in multiple lever design and finishes, as well as electrified and mechanical functions.

- Clutching Outside Lever
- Mechanical Functions Available
- SFIC available

- Field REX Kit
- Available Finishes: 605, 612, 613, 625, 626
- Retrofits to Schlage ND series door prep



L6



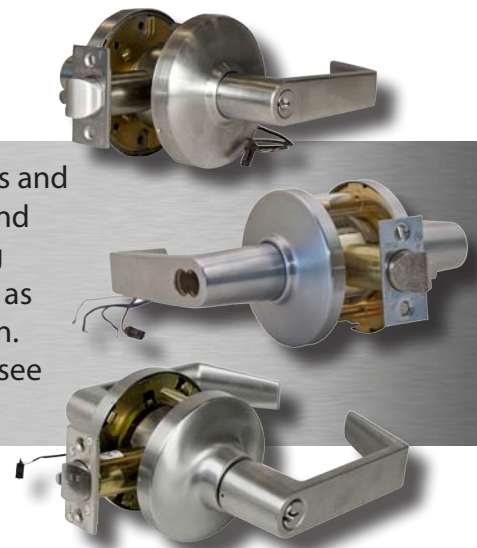
L7



L17

ELECTRIFIED CYLINDRICAL LOCKS

Command Access electrified cylindrical locks allows remote keyless access and egress control for standard commercial use applications where security and safety is critical. Common applications include computer rooms, meeting rooms, classrooms and interior doors. Cylindrical locks may be purchased as complete locksets or our customers may provide us locks for modification. Please refer to the chart on the next page for brand specifics. If you don't see the brand you need listed please contact us.



FEATURES

- UL and CSFM listings (available online)
- Continuous duty solenoids for cooler operation during "continuously on" applications.
- Standard plug-in rectifier allows for an AC or DC power source
- Low current draw
- REX switch available on almost all models (see next page)
- 3 year "no hassle" warranty

SPECIFICATIONS

- Voltage requirement – 12VAC/DC or 24VAC/DC
- Amperage – 250mA @ 12V or 150mA @ 24V
- Function – available "fail safe" or "fail secure"



OPTIONAL ACCESSORIES FOR CYLINDRICAL LOCKS

FIELD REX KIT

Field Installable Request-to-Exit or AE switch sends a signal to alert the control panel that the door is about to be opened by someone intending to exit from within the secured area.

Models: **CL1REX KIT-CL** (CL1 Series)
SCHREX KIT-CL (Schlage ND Series)



SWITCHES

Additional factory installed signalling switches are SPDT and available for the following applications:

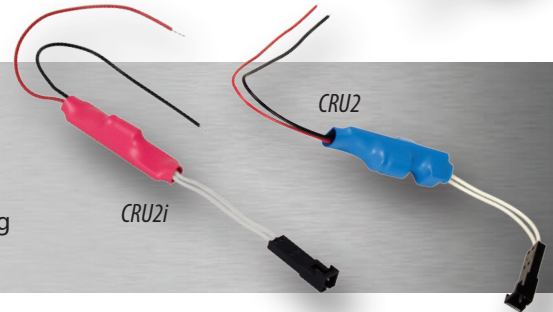
- REX - Request-to-Exit or AE switch available



CURRENT REDUCTION UNITS *(see page 21 for full specifications)*

Command Access current reduction units are recommended for “fail safe” or “unlock cycle” applications to reduce heat and extend solenoid life

- **CRU2i** - Intelligently detects 12 to 30 VAC/DC input voltage and converts it to operate our 12V locks
- **CRU2** - Manually adjustable module allows the installer to fine tune the holding current and maximize the efficiency of our 12 or 24VAC/DC cylindrical locks



CYLINDRICAL LOCK MODIFICATIONS AND INVENTORY CHART

To find out what mechanical chassis model #'s are used for modifications, go to www.commandaccess.com

Brand modified	Electrified Functions			Switch	In-stock Trim				In-stock Finishes			I/C Format		
	Storeroom	Classroom	Storeroom Clutching	Request-to-Exit (REX)	(Tubular)	(Bent)	(Straight)	(Curved)	626	613	625	Other	Small Format I/C	Large Format I/C
Best	CL93			•	15		14	•	•	•			•	
Cal Royal				•	TUB	GN	AT	SPA	•	•	•		•	
Command Access				•		L6	L7	L17	•	•	•	605/612	•	
Corbin Russwin				•		N		P	•	•	•			•
Sargent	CL370/371			•		L	B	P	•	•	•			•
Schlage	CLN80	CLN70	CLN96	•		RHO	ATH	SPA	•	•	•	605/606/612	•	•

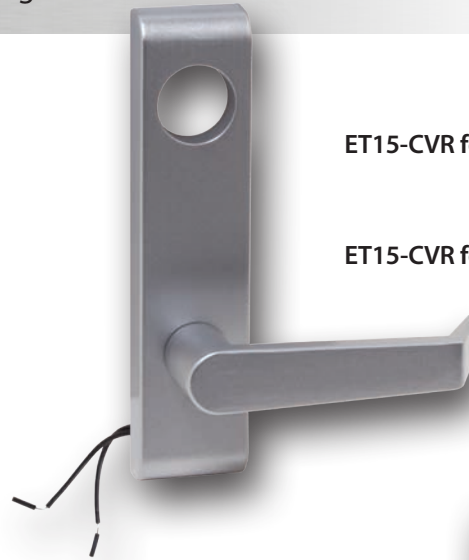
NOTE: Call factory for current safety agency listings.
 Call factory to verify current stock status.

COMMAND ACCESS ET SERIES

The Command Access ET series exit device trim is perfect for storefront or stairwell conditions and applications where electric pullback of the exit device's latchbolt(s) is cost prohibitive or not required. This is especially practical in applications where fire/life safety codes require a "fail safe" condition which is not an option with electrified latch pullback devices. Because the current draw is quite low there is no need for a more expensive power supply to provide the surge current.



ET25 for: Command Access PD25
Cal-Royal 77
Von Duprin 98/99



ET15-CVR for: Command Access PD15CVR
Jackson 1285
AHT 8000

ET15-CVR for: Command Access PD15RIM
Jackson 1295
AHT 9000

ELECTRIFIED EXIT DEVICE TRIMS

Command Access can modify a variety of exit device trims with the same features and options as the ET15 and ET25. Exit device trim may be purchased as a complete unit or our customers may send us their trim for modification. Please refer to the chart on the next page for brand specifics.



FEATURES

- Continuous duty solenoids for cooler operation during "continuously on" applications.
- Standard plug-in rectifier allows for an AC or DC power source
- Low current draw
- REE switch available (see next page)
- Mechanical functions available
- 3 year "no hassle" warranty

SPECIFICATIONS

- Voltage requirement – 12VAC/DC or 24VAC/DC
- Amperage – 250mA @ 12V or 150mA @ 24V
– 700mA @ 12V or 350mA @ 24V (Precision only)
- Function – available "fail safe" or "fail secure"

OPTIONAL ACCESSORIES FOR EXIT DEVICE TRIM

SWITCHES

Factory installed signalling switches are SPDT and available for the following applications:

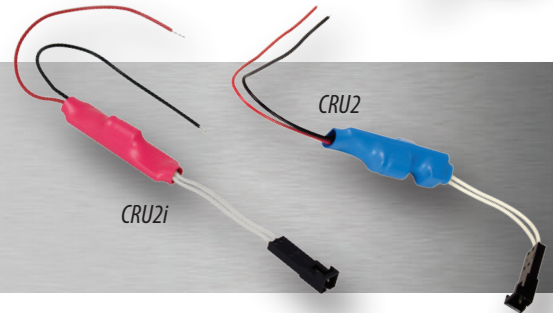
- REE - Request-to-Enter switch available. Sends a signal to alert the control panel that the door is about to be opened by someone intending on entering a secured area. This switch must be installed at the factory.



CURRENT REDUCTION UNITS (see page 21 for full specifications)

Command Access current reduction units are recommended for "fail safe" or "unlock cycle" applications to reduce heat and extend solenoid life

- CRU2i - Intelligently detects 12 to 30 VAC/DC input voltage and converts it to operate our 12V locks
- CRU2 - Manually adjustable module allows the installer to fine tune the holding current and maximize the efficiency of our 12 or 24VAC/DC exit trim



EXIT DEVICE TRIM MODIFICATIONS AND INVENTORY CHART

Brand modified	Models we Modify	Storeroom w/ key override	Electrified Functions	Switch	In-stock Trim				In-stock Finishes	Amperage			
					Request-to-Enter (REE)	(Tubular)	(Bent)	(Straight)			(Curved)	626	613
Cal Royal	NESC22/NESC77/ NESC98	•	•	•	•	•	•	•	•	•	•	•	•
Command Access	ET15	•		•					313/628	•			
Command Access	ET25	•	•	•				•		•			
Falcon	512L/812L	•	•							•			
Hager	45CE	•								•			
Precision	V4908	•	•	•	•		•		630		•		
Sargent	713-ETL	•						•		•			
Von Duprin	230L	•			•					313/628	•		
Von Duprin	360/370	•	•								•		
Von Duprin	996	•	•	•	•	•	•	•	605/606/ 612	•	•		

LATCH PULLBACK

Command Access electrified latch pullback exit devices allow for remote keyless access control in high occupancy / high traffic conditions where exit devices are required. Common applications include conditions such as hospitals, airports, schools, churches, malls, and storefront/office building entrances. Additionally, these devices are commonly specified in applications that require automatic door openers.

HISTORY

Traditionally, electric latch pullback devices required expensive specialty power supplies mounted near their respective doorways. This increased the number of power supplies needed per job, increased the cost of electricians to run line voltage to each opening, and increased the total cost of the job by specifying the use of expensive proprietary power supplies.

REVOLUTION

Command Access revolutionized the approach to latch pullback by allowing for longer low voltage wire runs and for the use of feature rich Command Access or generic power supplies. We achieved this by developing a patented technology that allows you to centralize your power supplies, increasing the number of devices that can be controlled from one location. As a solution based company, we've reduced the cost of initial installation and future maintenance.

PRODUCTS

Command Access now offers electrified options for a variety of exit devices. We offer complete Command Access brand exit devices, complete devices from other major manufacturers, the service of modifying our customer's mechanical exit device, and a variety of field installable electrification kits. Along with monitoring options, we offer latch pullback modifications using solenoids and/or motors, depending on the application.

SOLENOID ACTIVATED LATCH PULLBACK DEVICES & KITS

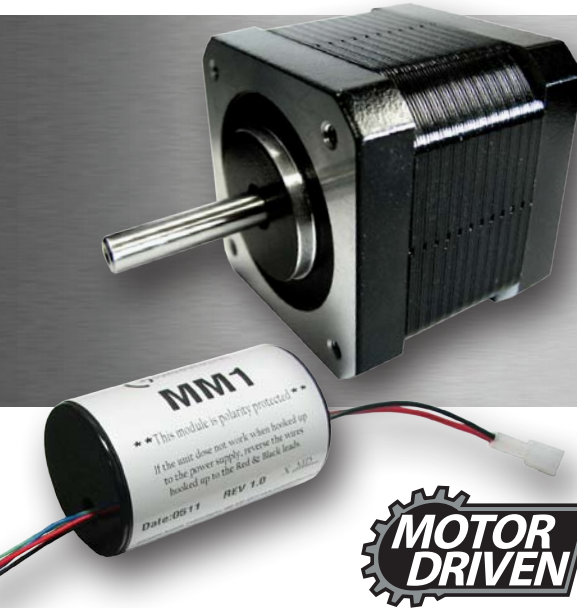
Solenoids have been pulling back latches for decades. Driven by a pulse of high amperage and a much lower secondary holding current, solenoids have safely been utilized in hospitals, universities, and almost anywhere you could imagine. With the Command Access patented technology revolutionizing the power supply specification and installation parameters, solenoids have become an effective way to achieve latch pullback in the desired applications.

FEATURES

- High-Performance quality solenoids designed for demanding applications
- Includes the patented PM200 interface power modules programmed to maximize the efficiency and life of the solenoid
- Extended duration latch pullback capability for "continuously on" conditions
- The "local boost" design allows for centralized power supplies and extended wire runs up to 700' with 18/2 wire
- Six foot power cable with quick connect for PM200/PWM200 module
- 3-year "no hassle" warranty



THE FASTER, QUIETER SOLUTION MOTOR DRIVEN LATCH PULLBACK DEVICES & KITS



Years ago, using motors for latch pullback only resulted in slow operations and failures. Now, electronic motor technology, efficiency and strength have improved to a level that allows Command Access to achieve fast, quiet, and smooth latch pullback. We use a substantially lower pulse of current (compared to solenoid activated devices) to pullback the latches, then even less power to hold them retracted. With our motorized devices we adhere to the same principles as our entire latch pullback offering: flexible installation parameters and open power supply specifications.

FEATURES

- Fast, quiet and smooth operation
- Low surge current draw
- MM1 module is compatible with most 24VDC, 1A (or greater) regulated power supplies
- Electric dogging (most models)
- Auto relock if dogged push pad is pulled from position
- Electronic adjustment for fine tuning latchbolt travel
- On-board self diagnostics
- 6' cable with Quick Connect for MM1 module
- Up to 300' wire run with 18/2 wire
- 3-year "no hassle" warranty

CHOICES & OPTIONS FOR SOLENOID ACTIVATED & MOTOR DRIVEN DEVICES:

Both solenoids and motors now have a place in the latch pullback arena. Some devices are only offered with solenoids or motors, but if they are offered both ways, here are some points to help you decide which is best for your applications. Solenoid activated devices provide an audible clapping sound that has become a standard in notifying users that they can now enter the door. If you require the audible feedback, or are adding to an existing solenoid activated jobsite, then solenoids are the right choice for you. Motorized devices are quiet, strong, and in most cases provide electric dogging (no moving parts when retracted). If you are using a device in a hospital, library, or any area that requires reduced noise from your device or if you need the strength to overcome jobsite installation issues, then a motor driven device is the right one for you. No matter what device your desire, our Command Access modifications are available with the following switch options:

- REX - Request to Exit switch available factory installed or as a field installable kit
- LBM - Latchbolt Monitor switch available factory installed or as a field installable kit
- Power Supplies - PS1N for single door or two door simultaneous operation, PS2/PS2BB for up to two independently operated doors, PS5 Series for up to eight independently operated doors (for full details see cut sheet for your specific device at www.commandaccess.com)

Shown as a PD10CVRA-M



COMMAND ACCESS PD10 / PD10-M

The Command Access PD10 storefront exit device is a high quality, cost effective solution for new and retrofit storefront applications. This device is offered in **CVR** (concealed vertical rod) and **RIM** designs and is available in aluminum or duronatic finishes. As a retrofit solution, the PD10 easily converts an existing Dor-O-Matic 1690/1790 series or a First Choice 3690/3790 series installation to a Command Access latch pullback application. The PD10 is designed to utilize the existing mounting locations (all models) as well as the rod & case assembly (CVR) without having to remove the door.

FEATURES

- Solenoid Activated and Motor Driven models available
- Solenoid Activated models include the patented PM200 interface power modules for maximized efficiency and solenoid life
- Motor Driven models include the MM1 with electronic travel adjustment to fine tune latchbolt pullback
- The slim, compact design for narrow-style doors
- Attractive low profile design
- Retrofits Dor-O-Matic 1690/1790 and First Choice 3600/3700 series devices
- 3-year "no hassle" warranty

SPECIFICATIONS & OPTIONS

- Non-Handed
- Solenoid input voltage - 24 to 30VDC (250mA holding)
- Motorized input voltage - 24 to 30VDC (125mA holding)
- Power Supplies – All Command Access and most generic power supplies
- REX - Request to Exit switch available
- LBM - Latch Bolt Monitor switch available

COMMAND ACCESS PD15



Shown as a PD15CVRA-M

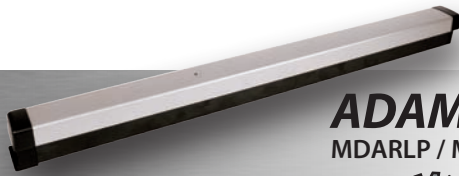
The Command Access PD15 storefront exit device is a high quality, cost effective solution for new and retrofit applications. This device is offered in **CVR** (concealed vertical rod) and **RIM** designs and is available in aluminum or duronatic finishes. As a retrofit solution, the PD15 easily converts an existing Jackson 1285/1295 series or an AHT 8000/9000 series installation to a Command Access latch pullback application. The PD15 is designed to utilize the existing mounting locations (all models) as well as the rod & case assembly (CVR) without having to remove the door.

FEATURES

- Fast, quiet and smooth operation
- Low surge current draw
- MM1 module is compatible with most 24VDC, 1A (or greater) regulated power supplies and features an electronic travel adjustment to fine tune latchbolt pullback
- On-board self diagnostics
- Auto relock if dogged push pad is pulled from position
- The slim, compact design for narrow-style doors
- Attractive low profile design
- Retrofits Jackson 1285/1295 and AHT 8000/9000 series devices
- 3-year "no hassle" warranty

SPECIFICATIONS & OPTIONS

- Non-Handed Rim and Handed CVR devices
- Input voltage - 22 to 30VDC (125mA holding)
- Power Supplies - All Command Access and most generic power supplies (1A or greater per channel)
- REX - Request to Exit switch available (field kit available)
- LBM - Latchbolt Monitor switch available



ADAMS RITE
MDARLP / MDARLP-M

Models Modified:

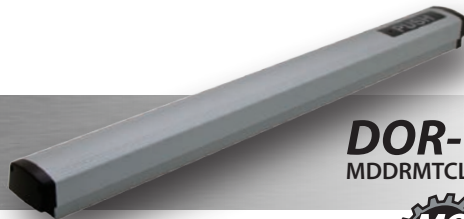
- 8400 Series
- 8600 Series
- 8800 Series (low current draw <500mA)



CORBIN RUSSWIN
CORLP-M / MDCORLP-M

Models Modified:

- 4000 Series



DOR-O-MATIC
MDDRMTCLP / MDDRMTCLP-M

Models Modified:

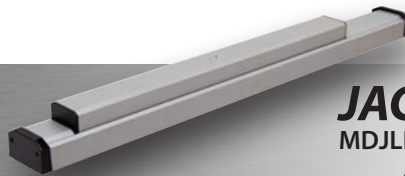
- 1490 Series
- 1690 Series
- 1790 Series



FIRST CHOICE
MDFIRLP / MDFIRLP-M

Models Modified:

- 3690 Series
- 3790 Series



JACKSON
MDJLP-M

Models Modified:

- 1200 Series



PRECISION*
MDPLP

Models Modified:

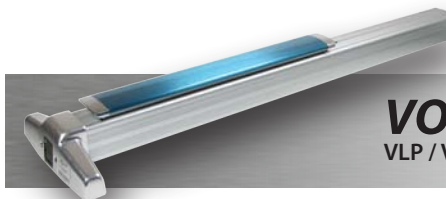
- 2000 Series



SARGENT*
SLP / MDSLP / SLP-M / MDSLP-M

Models Modified:

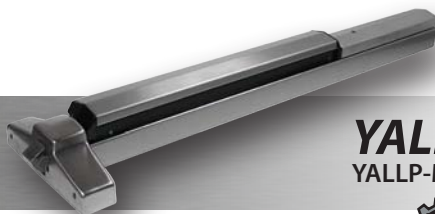
- 8000 Series



VON DUPRIN*
VLP / VLP-M / MDVLP / MDVLP-M

Models Modified:

- 33/35 Series



YALE
YALLP-M / MDYALLP-M

Models Modified:

- 7200 Series



* Call for availability of complete devices

molex



COMMAND ACCESS PD25

The Command Access PD25 architectural exit device is a high quality, grade 1 solution for new and retrofit applications. This device is offered in **SVR** (surface vertical rod) and **RIM** designs in both the 613 and 626 finish. As a retrofit solution, the PD25 standard templating retrofits over Von Duprin 98/99 series and a majority of the typical architectural devices on the market. Additionally, the PD25 standard templating retrofits over a majority of the typical architectural devices in the market. If you need latch retraction in an architectural exit device application, the PD25 offers a high quality and aesthetically pleasing design in a low cost package.

FEATURES

- Fast, quiet and smooth operation
- Low surge current draw
- MM1 module is compatible with most 24VDC, 1A (or greater) regulated power supplies and features an electronic travel adjustment to fine tune latchbolt pullback
- On-board self diagnostics
- Auto relock if dogged push pad is pulled from position
- Electronic adjustment for fine tuning latchbolt travel
- Retrofits Von Duprin 98/99 prep and most typical architectural devices
- 6' cable with Quick Connect for MM1 module
- Up to 300' wire run with 2/18 wire
- 3-year "no hassle" warranty

SPECIFICATIONS & OPTIONS

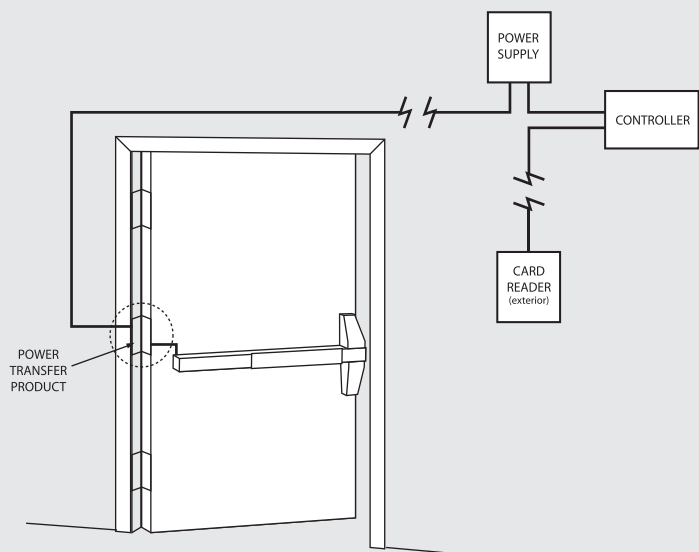
- Voltage range - 22 to 30 VDC system protection - unit shutdown when voltage exceeds 30VDC
- Current draw - 1A for 400ms, 125mA holding (dogged) thereafter electronic travel adjustment - approx 1/4"
- PD25REXKIT – Field installable REX kit
- Full escutcheon outside trim available

TYPICAL LATCH PULLBACK INSTALLATION FLOW CHART

A typical Command Access latch pullback device installation includes the device, the power transfer, and a power supply. The access control company integrates their card reader and controller to send a signal to the power supply that in turn unlocks the device (see example to the right). More advanced installations additionally incorporate auto operators and palm buttons for ADA/Barrier Free and hospital applications (see page 7 for an installation flow example).

APPLICATIONS INCLUDE:

- Hospital entrances and hallways
- Universities and institutions
- ADA compliance
- Barrier Free compliance





CAL ROYAL*

CRLP-M / MDCRLP-M
(add MD for mod only)

Models Modified:

- 22 Series
- 77 Series
- 98 Series

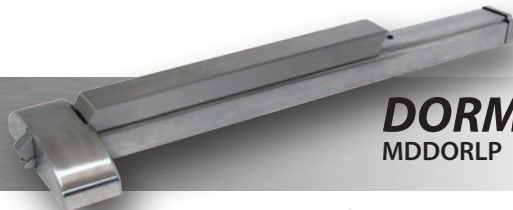


CORBIN RUSSWIN

CORLP-M / MDCORLP-M

Models Modified:

- 5000 Series

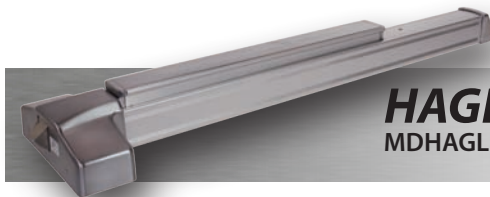


DORMA

MDDORLP

Models Modified:

- 9000 Series



HAGER

MDHAGLP

Models Modified:

- 4500 Series

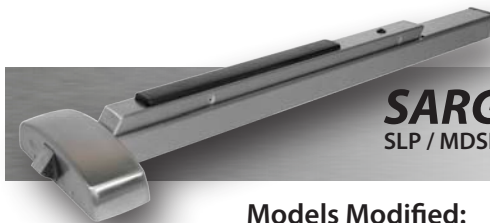


PRECISION*

PRELP / MDPRELP

Models Modified:

- 2000 Series

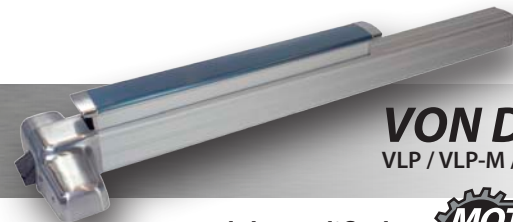


SARGENT*

SLP / MDSL P / SLP-M / MDSL P-M

Models Modified:

- 8000 Series



VON DUPRIN*

VLP / VLP-M / MDVLP / MDVLP-M

Models Modified:

- 98/99 Series



YALE

YALLP-M / MDYALLP-M

Models Modified:

- 7100 Series



* Call for availability of complete devices

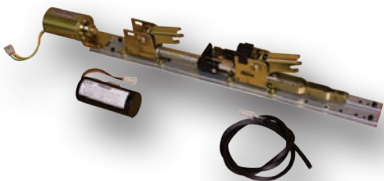
molex

COMMAND ACCESS KITS

Command Access field installable exit device kits are practical and cost-effective ways to convert mechanical devices to electrified latch pullback. They are easy-to-install and come in either solenoid activated or motor driven designs. The solenoid activated kits use our patented PM200 technology, allowing the installer to power the device with most 1.5A (or greater) 24VDC, regulated power supplies. The motor driven kits utilize MM1 module technology, allowing the installer to power the device with virtually any 1A (or greater) 24VDC, regulated power supplies. Both designs offer substantial cost savings by extending wire run requirements and eliminating the need for a typically expensive specialty power supply mount above each door.

SOLENOID ACTIVATED KITS FEATURES & SPECIFICATIONS

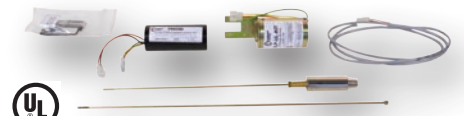
- High-Performance quality solenoids designed for demanding applications
- Includes the patented PM200 interface power module programmed to maximize the efficiency and life of the solenoid
- Extended duration latch pullback capability for "continuously on" conditions
- The "local boost" design allows for centralized power supplies and extended wire runs up to 700' with 2/18 wire
- 6' power cable with Quick Connect for MM1 module
- Plug for dogging hole included
- Power: 24-30VDC (1.9A for 1s, 350mA holding thereafter)
- 3-year "no hassle" warranty



VLPKIT for Von Duprin 33/35/98/99



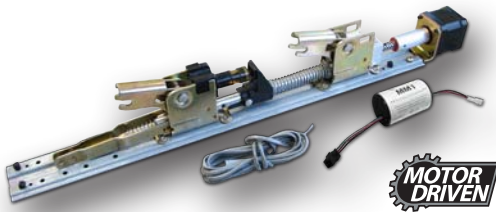
DLPKIT for Dor-O-Matic 1490



VLP-UL KIT for Von Duprin 33/35/98/99 maintains the UL listing

MOTOR DRIVEN KITS FEATURES & SPECIFICATIONS

- Fast, quiet and smooth operation
- Low surge current draw
- MM1 module is compatible with most 24VDC, 1A (or greater) regulated power supplies
- Electronic adjustment for fine tuning latchbolt travel
- On-board self diagnostics
- Electric dogging
- Auto relock if dogged push pad is pulled from position
- 6' cable with Quick Connect for MM1 module
- Up to 300' wire run with 2/18 wire
- Plug for dogging hole included
- Power: 22-30VDC (1A for 400ms, 125mA holding thereafter)
- 3-year "no hassle" warranty



VLP-M-KIT for Von Duprin 33/35/98/99



CYLP-M-KIT for Corbin Russwin 4000/5000 & Yale 7100/7200



VLP-UL-M KIT for Von Duprin 33/35/98/99 maintains the UL listing

OPTIONAL SWITCHES & FIELD SWITCH KITS

- REX* - Request to Exit switch available in factory installed and field installable versions
 - LBM* - Latchbolt Monitor switch available in factory installed and field installable version
- *see chart page 19



STOREFRONT EXIT DEVICE MODIFICATIONS AND INVENTORY CHART

Brand & Model Modified	RIM		SVR		CVR		MORTISE		REX		LBM		In-Stock Sizes & Colors						
	Handed	Non-Handed	Handed	Non-Handed	Handed	Non-Handed	Handed	Non-Handed	Factory	Field Kit	Factory	Field Kit	36"	42"	48"	Aluminum	Duronic	Other	
Adams Rite: ARLP (8400-MORT)																			Call for availability
Adams Rite: ARLP (8600-CVR)																			Call for availability
Adams Rite: ARLP (8800-RIM)		•																	Call for availability
AHT: AHTLP-M (8000-CVR/9000-RIM)		• ³																	
Command Access: PD10(M)		•																	
Command Access: PD15CVR-M																			
Command Access: PD15RIM-M		• ³																	
Corbin: CORLP-M (4000)		• ³		• ³		• ³		• ³											Call for availability
Dor-O-Matic: DRMTCLP(M) (1690/1790)		•																	
Dor-O-Matic: DLPKIT (1490)																			
First Choice: FIRLP(M) (3690/3790)		•																	
Jackson: JLP-M (1285-CVR/1295-RIM)		• ³																	
Precision: PLP (2000) ¹		•		•		•		•		•									Call for availability
Sargent: SLP (8000) ¹		•		•		•		•		•									Call for availability
Von Duprin: VLP(M) (33/35)		•		•		•		•		•									Call for availability
Von Duprin: VLP(M)KIT36/VLP(M)KIT48		•		•		•		•		•									
Von Duprin: VLP-UL(M)-KIT		•		•		•		•		•									
Yale: YALLP-M (7200)		• ³		• ³		• ³		• ³		•									Call for availability

- NOTES:**
- For Vertical Rod devices over 84", must use PS1N, PS5-4 and PS5-6 power supplies only.
 - Consult Factory for LBM Kit on RIM device.
 - Motor Driven only.

ARCHITECTURAL EXIT DEVICE MODIFICATIONS AND INVENTORY CHART

Brand & Model Modified	RIM		SVR		CVR		MORTISE		REX		LBM		In-Stock Sizes & Colors						
	Handed	Non-Handed	Handed	Non-Handed	Handed	Non-Handed	Handed	Non-Handed	Factory	Field Kit	Factory	Field Kit	36"	42"	48"	626	313	Others	
Cal Royal: CRLP (2200) ²		•		•															Call for availability
Cal Royal: CRLP (7700)		•		•															Call for availability
Cal Royal: CRLP (9800) ²		•		•															Call for availability
Command Access: PD25RIM-M/PD25SVR-M																			
Corbin: CORLP-M (5000)		•		• ¹		• ¹		• ¹											Call for availability
Dorma: DORLP (9000) ²		•		•		•		•											
Hager: HAGLP (4500)		•		•		•		•											
Lawrence: LAWLP (8800)		•		•		•		•											Call for availability
Precision: PLP (2000) ²		•		•		•		•											Call for availability
Sargent: SLP (8000) ²		•		•		•		•		•									Call for availability
Von Duprin: VLP(M) (98/99)		•		•		•		•		•									
Von Duprin: VLP(M)KIT36/VLP(M)KIT48		•		•		•		•		•									
Von Duprin: VLP-UL(M)-KIT		•		•		•		•		•									
Yale: YALLP-M (7100)		•		• ¹		• ¹		• ¹		•									Call for availability

- NOTE:**
- Motor Driven only.
 - For Vertical Rod devices over 84", must use PS1N, PS5-4 and PS5-6 power supplies only.

Our Command Access power accessories provide innovative solutions to fit the needs of the market, making electric hardware installations more efficient and more profitable.



PM200/PWM200 SERIES

The Patented PM200 & PWM200 power booster interface modules are the driving force to our fundamentally different approach to latch pullback. Each module is either encased in a high strength plastic

housing or in a high temperature heat shrink tubing design to fit inside of an electric latch pullback exit device. When energized by a 24VDC power source, they provide a local high current surge to the electrified exit device to pull back the latchbolt. The PM200 provides solenoid coil switching for dual coil solenoid applications, while the PWM200 utilizes pulse width modulation (PWM) to control the holding current in single coil solenoid applications. Since the unit is located inside the exit device (or the hinge jamb for narrow width doors) the typical wire run and power supply limitations are improved significantly by using PM200/PWM200 modules. The local boosting approach also allows for up to 8 latch pullback devices to operate simultaneously from one power supply (see PS5 series on page 24).

FEATURES

- Allows a wire run from the power supply to the exit device of up to 700' with 18/2 wire (see website for maximum wire run details and characteristics)
- Designed to work flawlessly with our cost effective power supplies (see pages 22-26)
- Compatible with most 24VDC 1.5A or greater power supplies (see website for power supplies tested with the PM200/PWM200)
- Solid-state design with high quality components make for years of trouble-free operation
- Patented design
- 3-year "no hassle" warranty

SPECIFICATIONS

- Input voltage - 24 to 35VDC
- Dimensions - tubular 3.5"L x 1.5"W
- Recommended power supply output fuses of 3.5 to 5 Amps (glass type) or 1.0 Amp trip (resetable type)
- Recommended relay rating of 5 Amps or greater

Some common applications for the PM200/PWM200 would include:

- Existing wire gauge in a facility that is too thin to be used by traditional electrified exit devices
- A desire to locate all power supplies in a central location for ease of maintenance
- A value engineering scenario requiring a more cost effective power supply solution than typical high surge current models
- Replacement of defective or anemic interface modules on Von Duprin, Falcon, Adams Rite, Corbin Russwin, Yale, and Precision devices (other than Von Duprin, most retrofits require changing to a less expensive non proprietary type power supply, see website for power supply and application charts)

MM1-VD



The MM1-VD driver module mounts inside the Von Duprin QEL device and plugs directly into the existing linear actuator, bypassing the Von Duprin Electronics, allowing the QEL device to be controlled by a PS873 with a 871-2 board, a CAT VD-2 board, or most 1A 24VDC (or greater) regulated power supplies. This module translates typical "lock or unlock" signals into logic a motorized linear actuator can understand.

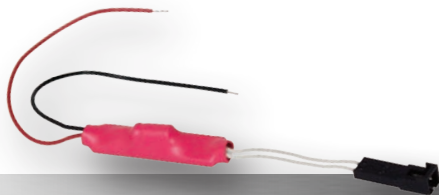
FEATURES

- Solid-state design
- Eliminates need for special 871-2Q board
- Allows the QEL device to operate with most 1A (or greater), regulated 24VDC power supplies
- Up to 300' wire run with 18/2 wire
- ¼" travel adjustment (electronic)
- 3-year "no hassle" warranty

SPECIFICATIONS

- Input Voltage - 24 to 30VDC
- Dimensions - tubular 2.5"L x 1.5"W
- Recommended power supply output fuse:
 - Glass - 1 to 2A
 - Resettable - .65Amp trip
- Recommended relay rating - 3A or greater

CRU2i



The CRU2i is an intelligent, auto-voltage sensing module that converts DC input voltage between 12 to 30 volts to a dynamic voltage designed to power a 12VDC solenoid efficiently in "continuously on" conditions. There is no need to adjust the unit, it's microprocessor allows appropriate start up current, then adjusts for holding once the solenoid is actuated. So just choose a power source with actual output voltage between 12 and 30 volts, plug it into your CRU2i equipped modification and let the technology do the rest.

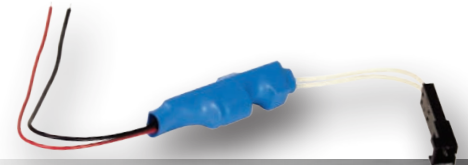
FEATURES

- Allows "continuously on" low current devices to run cooler, increasing the life of the solenoid and reducing service calls
- The CRU2i provides an occasional high frequency current boost to ensure proper solenoid position
- Auto voltage sensing eliminates the need for manual current adjustment
- Eliminates the need to stock multiple voltages (energizes 12V locking devices only)
- 3-year "no hassle" warranty

SPECIFICATIONS

- Operating voltage range: 12 to 30VDC
- Maximum Amperage: 1.0A

CRU2



The CRU2 is a current reduction module that is designed to work with low current DC voltage electric locking devices (cylindrical locks, mortise locks, panic trim, or strikes) that are being used in a "fail safe" or "unlock cycle" condition. When energized, the CRU2 allows the device to receive full current long enough for the solenoid to actuate. Once actuated, the CRU2 limits the current the solenoid consumes allowing it to run cooler, but delivering enough current for the solenoid to remain actuated as long as is needed. The CRU2 features a small potentiometer for manual field adjustment, allowing the installer to fine tune the current and maximize the efficiency.

FEATURES

- Allows "continuously on" low current devices to run cooler, increasing the life of the solenoid and reducing service calls
- The CRU2 provides an occasional high frequency current boost to ensure proper solenoid position
- Current adjustment allows for "fine tuning" in the field
- 3-year "no hassle" warranty

SPECIFICATIONS

- Operating voltage range: 12 to 30VDC
- Maximum Amperage: 1.0A

Command Access power supplies offer high quality, cost effective solutions for powering electric latch pullback exit devices and low energy locking products such as electrified locks, strikes and mag locks. Teamed with our PM200/PWM200/MM1 technology, these power supplies provide the necessary surge current that most latch pullback exit devices require. Our PS series are all 24V regulated, linear power supplies with solid-state design (no mechanical relays) which result in more durable and predictable door control. Whether you need adjustable output voltage, fire alarm links, battery charging, or more, Command Access has power supplies with features that give you the flexibility and control to do the job right at an extremely competitive price.



PS1N

The PS1N is a heavy duty, high quality, low cost solution for powering a single electric latch pullback exit device. The solid-state design ensures years of trouble-free operation. This linear power supply delivers the current needed for the extreme in-rush requirement of most solenoid driven electric latch retracting exit devices. The power supply comes housed in a sturdy, yet compact metal enclosure.

FEATURES

- UL Listed
- CSA Listed
- Call factory for current safety agency listing
- Delivers the necessary high current in-rush for a single exit device
- Solid-state design eliminates problems associated with mechanical relays
- Single input/output
- Fire Alarm contacts can be wired in series with input trigger to achieve Fire Alarm disconnect (wiring diagram included)
- Removable euro-style terminal blocks allow for easy installation
- Ability to power two simultaneous devices when used with PM200/PWM200/PWM202HO/MM1
- 3-year "no hassle" warranty

SPECIFICATIONS

- Input voltage - 120VAC
- Output voltage - 24VDC regulated @ 1A (56 watt transformer)
- Temperature range - 32° to 120° F
- 1 solid-state input/output (input triggered by dry contact)
- LEDs - Red = Power indicator / Green = Channel on
- Enclosure dimensions: 10" x 10" x 4"



PS2/PS2BB

The PS2/PS2BB series power supplies are a high quality, cost effective solution for powering two electric latch pullback exit devices. These power supplies provide the necessary surge current that most latch pullback exit devices require. The PS2/PS2BB series offers features found on power supplies costing much more. The solid-state design and careful attention to detail make these power supplies the ideal choice for the discerning user who requires a power supply that can offer years of trouble-free operation.



PS2BB

FEATURES

- UL Listed
- CSA Listed
- Delivers the necessary in-rush current to power two latch pullback exit devices.
- Two independent inputs/outputs
- Solid-state design eliminates mechanical problems associated with relays
- Thermal overload sensing reduces risk of failure due to overheating
- Fire alarm disconnect link
- Inputs triggered by dry contact
- Intelligent short circuit detection detects shorts much faster than glass or resettable fuses and isolates the short to the individual output
- Removable Euro-style terminal blocks allow for easy installation
- Efficient battery backup/charging circuitry with zero voltage drop at power loss (PS2BB)
- Solid-state reverse polarity protection for battery connections (PS2BB)
- Audible alert when sensing AC power failure & low battery (PS2BB)
- Ability to power two devices independently or simultaneously when used with PM200/PWM200/MM1 (excludes PWM202HO, see website for applications)
- 3-year "no hassle" warranty

SPECIFICATIONS

- Input voltage - 120VAC
- Output voltage - 24 VDC regulated @ 2A (56 watt transformer)
- Temperature range - 32° to 120° F
- 2 solid-state inputs/outputs (input triggered by dry contact)
- LEDs - Red = power indicator / Green = Channel on
- Enclosure Dimensions - 12.5" x 15" x 4.5" (for the PS2BB, accommodates two 7AH batteries)
- Requires (2)ea. 12V 7 amp hour batteries (batteries not included) (PS2BB)





Shown as a PS5-8

PS5 SERIES

The PS5 power supply is a regulated, linear power supply rated at 5 Amps @ 24VDC. It's state-of-the-art, solid-state design offers a flexible and cost effective solution to powering and controlling low current DC locking devices such as mortise locks, cylindrical locks, panic trim, and electric strikes while offering the built-in surge capacity to power up to eight latch pullback exit devices simultaneously*. This gives the installer the flexibility to control low current and high surge current devices together with one power supply. The unit offers a continuous 27.6V battery charging circuit while allowing adjustable

output voltage (24-27VDC). The PS5 is available in 4, 6, and 8 I/O models to accommodate most field conditions you might encounter. Housed in an attractive, high-quality enclosure, the PS5 series will be a complement to your installation while offering value not found elsewhere.

FEATURES

- UL Listed
- CSA Listed (PS5-8 only)
- Adjustable output voltage from 24-27VDC
- Independent, Battery backup charging circuit at 27.6V with Solid-state design and very low voltage loss
- Fire Alarm Link
- Solid-state inputs/outputs (no relays required)
- Euro style connectors for fast and easy terminations
- 3-year "no hassle" warranty

SPECIFICATIONS

- Input voltage - 110 VAC
- Output voltage - 24VDC @ 5A continuous current
- Up to (8) Solid-state inputs (specify dry contact or voltage trigger)
- Up to (8) Solid-state outputs
- LEDs - Red = power indicator / Green = Channel on
- Thermal auto-resettable fuses
- Enclosure dimensions - 12.5" x 15" x 4.5" (accommodates two 7AH batteries - batteries not included)

* When used with Command Access modified exit devices with PM200/PWM200/MM1 modules

PS5 OPTIONS CHART

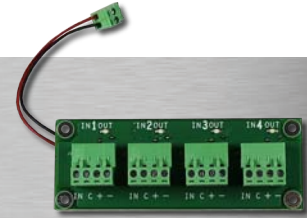
	Power Supply Options			
	PS5	PS5-4	PS5-6	PS5-8
INPUTS/OUTPUTS	1 output only	4	6	8
OUTPUT RATING/CHANNEL	5A	1.25A	.83A	.625A
CAT PM200, PWM200 & MM1	8 ¹	4	6	8
CAT PWM202HO	6 ¹	4	6	0
VON DUPRIN FACTORY EL	4 ¹	4	2	0
BATTERY BACKUP	Yes ²	Yes ²	Yes ²	Yes ²
FIRE ALARM LINK	Yes	Yes	Yes	Yes

NOTES: 1. Up to stated devices depending on distribution board or relays (by others).
2. Batteries not included.



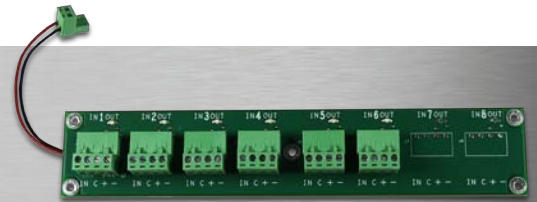
-4 OUTPUT BOARD

The -4 output board is a 4 channel output board for the PS5 series power supply. Includes 4 independent inputs/outputs with 1.25 amp resettable fuses. Its solid state design allows for electronic channel control in lieu of mechanical relays.



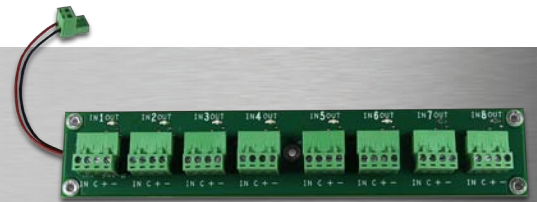
-6 OUTPUT BOARD

The -6 output board is a 6 channel output board for the PS5 series power supply. Includes 6 independent inputs/outputs with .83 amp resettable fuses. Its solid state design allows for electronic channel control in lieu of mechanical relays.



-8 OUTPUT BOARD

The -8 output board is a 8 channel output board for the PS5 series power supply. Includes 8 independent inputs/outputs with .625 amp resettable fuses. Its solid state design allows for electronic channel control in lieu of mechanical relays.



POWER SUPPLY APPLICATION CHART

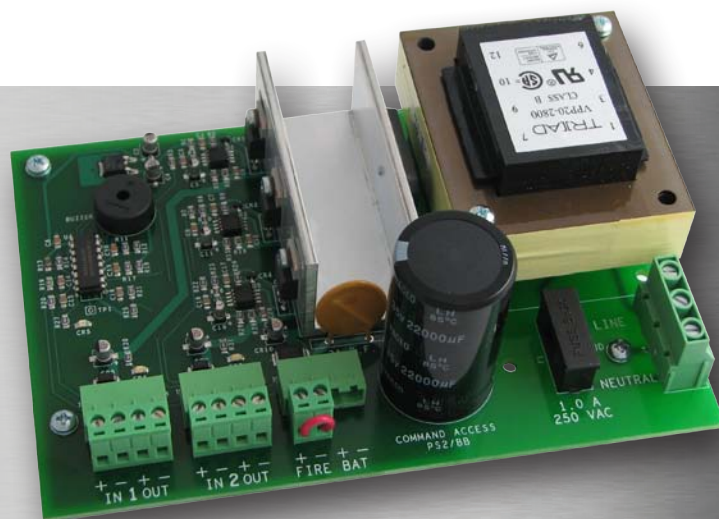
	Voltage	Inputs (fused)	Outputs (fused)	Fire Alarm Link	Battery Backup (Batteries Not Included)	Metal Enclosure	Latch Retraction (With PWM200/PWM200/MMT1)	Latch Retraction (With PWM202/RD)	Locking Hardware (More Use: Cylindrical/Exit Trim)
PS1N	24VDC	1	1	• ¹	•	•	2 ²	2 ²	2 ²
PS2(-B0) ⁴	24VDC	2	2	•	•	•	2	0	2
PS2BB(-B0) ⁴	24VDC	2	2	•	•	•	2	0	2
PS5	24VDC	0	1	•	•	•	8 ³	6 ³	8 ³
PS5-4	24VDC	4	4	•	•	•	4	4	4
PS5-6	24VDC	6	6	•	•	•	6	6	6
PS5-8	24VDC	8	8	•	•	•	8	0	8

- NOTES:**
1. Uses Fire Alarm tie-in through trigger.
 2. One output powers two devices/locks simultaneously.
 3. Up to stated devices/locks depending on distribution board or relays (by others).
 4. Add suffix (-B0) for board only. Does not include metal enclosure.



PS2-BO / PS2BB-BO

The Command Access PS2 and PS2BB power supply boards are now available to field retrofit the discontinued Von Duprin PS873-2 power supplies. These boards are high quality, cost effective solutions for powering up to two electric latch pullback exit devices. Each power supply provides the necessary surge current to fire Von Duprin, Dor-O-Matic, and Command Access latch pullback devices. Additionally, each model includes a Fire Alarm link and the PS2BB-BO includes a battery charging circuit. These power supply boards offer features found on much more expensive power supplies all with solid-state design. The features, design and careful attention to detail make the PS2 / PS2BB boards the ideal retrofit choice for the discerning user who requires a power supply that can offer years of trouble-free operation.



FEATURES

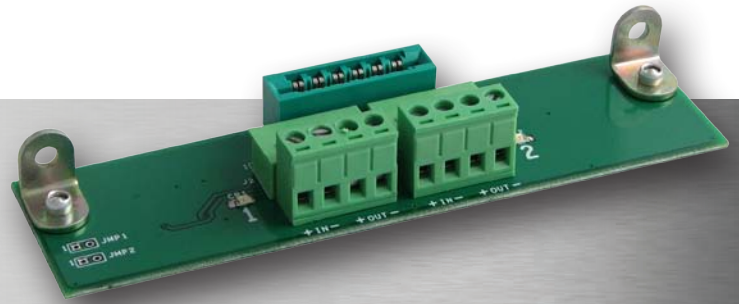
- Delivers the necessary in-rush current for two latch pullback exit devices
- Two independent inputs/outputs
- Solid-state design eliminates problems associated with mechanical relays
- Thermal overload sensing reduces risk of failure due to overheating
- Fire Alarm disconnect link
- Inputs triggered by dry contact
- Intelligent short circuit detection detects shorts much faster than glass or resettable fuses and isolates the short to the individual output
- Removable Euro-style terminal blocks allow for easy installation
- Efficient battery backup/charging circuitry with zero voltage drop at power loss (PS2BB model only)
- Solid-state reverse polarity protection for battery connections
- Audible alert when sensing AC power failure & low battery (batteries not included)
- Ability to power two devices independently or simultaneously when used with PM200/PWM200/MM1 (excludes PWM202HO, see website for applications)
- 3-year "no hassle" warranty

SPECIFICATIONS

- Input Voltage - 120VAC
- Output Voltage - 24VDC regulated @ 2A
- Temperature range - 32° to 120° F
- 2 solid-state inputs/outputs (input triggered by dry contact)
- LED Indicators - Red = Power Indicator / Green = Channel on
- Requires (2)ea. 12V 7 amp hour batteries (batteries not included) (PS2BB-BO)

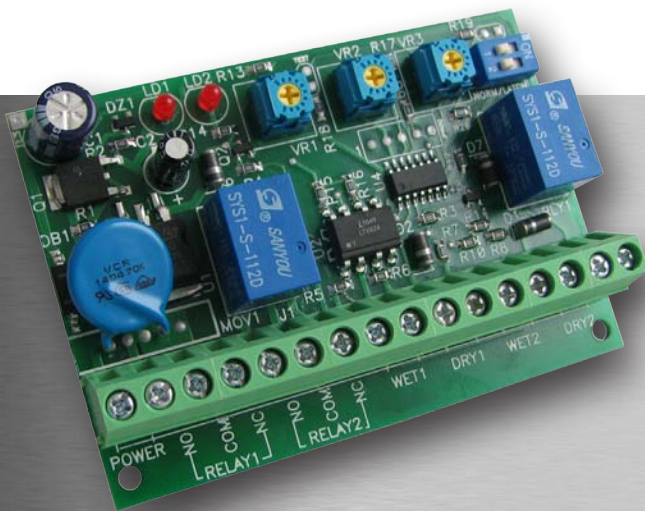
VD2

Recently Von Duprin has discontinued the PS873 power supply and the add-on boards associated with that power supply. Command Access has developed a replacement board manufactured with similar characteristics to PS871-2 board. The new **VD2** board easily mounts to the PS873 in the same fashion as the factory original PS871-2 board.



DS1

The DS1 delay/sequencer board offers a switching network that is ideal for (de)energizing an electrified locking device; then, after an adjustable time, activating an automatic door operator. It is also suitable for other timing functions such as door sequencing in one or both directions, or anywhere a timing relay is required. For Telephone Entry system applications, the DS1 offers a direct connection to the entry panel, simplifying wiring and eliminating the need for an isolating relay. More advanced installations incorporate latch pullback devices, auto operators and palm buttons for ADA/Barrier Free and hospital applications (see page 7 for an installation flow example).



FEATURES

- Bi-Directional sequencing mode
- 3 Adjustable delays, up to 30 seconds maximum
- Easy potentiometer adjustments
- LEDs for visual relay confirmation
- Accepts wet or dry inputs
- One shot design for security or maintained output for smoke evac
- SPDT contacts rated at 3Amps @ 30VDC
- Input for connection to phone
- 3-year "no hassle" warranty

SPECIFICATIONS

- Size - 3 1/4" x 2 1/4" x 3/4"
- Mounting - Velcro or double-sided tape
- Enclosure - Protective paper sleeve
- Operating voltage - 12 or 24 Volts (AC/DC)
- Current Draw - 18 mA standby, 40 mA max
- Response time - 0.3 seconds
- Inputs - 2 Wet + 2 Dry contacts: (3-30 V AC/DC, Optically isolated, non-polarity sensitive)
- Relay Output - 2 x Form C (SPDT)
- Relay contact rating - 3 amps @ 20 VDC
- Time Delays - DOR #1 1 to 30 seconds
DOO #2 1 to 30 seconds
DOR #2 1 to 30 seconds
- Electrical Life - 100,000 operations @ rated capacity
500,000 operations @ 1/2 rated capacity



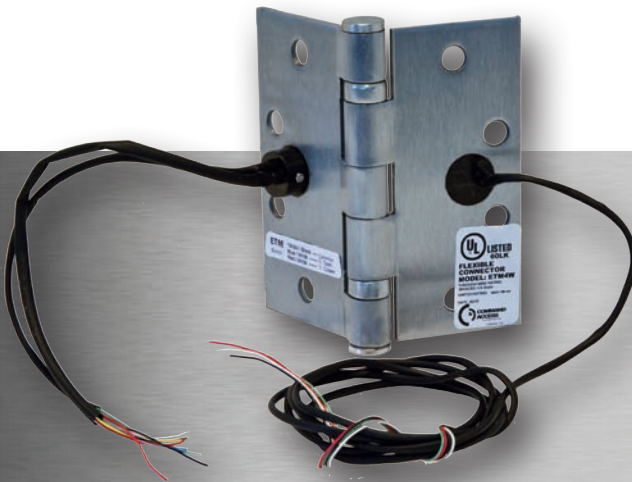
ETH HINGES

The Energy Transfer Hinge (ETH) is the ideal way to pass low voltage power from the hinge jamb to the lockset without having any exposed wires. These hinges are commonly used with electric mortise & cylindrical locks, electric strikes (when on a pair of doors), electric exit trims, latch pullback devices, door mounted card readers and low voltage door lights.

FEATURES

- UL-F Rated (Listings available online at www.commandaccess.com)
- 4' lead available at no extra charge
- Center located wire access holes for easy installation (5 Knuckle std. wt.)
- Non-conductive wire access cap for added wire protection
- Multiple wire configurations (refer to chart on page 29)
- 3-year "no hassle" warranty

All hinges are made to Command Access standardized templating.



ETM HINGES

The Energy Transfer Monitor Hinge (ETM) like the ETH hinge is the ideal way to pass low voltage power from the hinge jamb to the lockset. There are no exposed wires, cables or switches that can be tampered with and the hinge maintains the same appearance of a conventional non-power transfer hinge. What distinguishes it from the ETH hinge is that it has a concealed switching mechanism that monitors the position of the door.

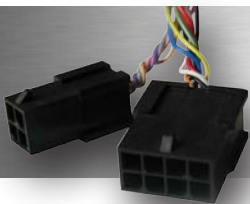
FEATURES

- Single Pull Double Throw (SPDT) switch for door status monitoring
- UL-F Rated (Listings available online at www.commandaccess.com)
- 4' lead available at no extra charge
- Center located wire access holes for easy installation (5 Knuckle std. wt.)
- Non-conductive wire access cap for added wire protection
- Multiple wire configurations (refer to chart on page 29)
- 3-year "no hassle" warranty

All hinges are made to Command Access standardized templating.



ETH & ETM Hinge UL-F Rated



molex

Micro-Fit 3.0™ Interconnect System available to retrofit common quick connection systems such as ElectroLynx®. Available in 8-pin or 12-pin configurations.

ElectroLynx® is a registered trademark of Assa Abloy



WIRING CONFIGURATION CHART

	For Electric Mortise and Cylindrical Locksets						For Electric Latch Pullback Devices				NOTES:
	Monitor Switch	2W (2/20ga)	4W (4/26ga)	6W (6/26ga)	8W (8/28ga)	10W (10/28ga)	2WH (2/18ga)	4WH (2/18ga+2/26ga)	6WH (2/18ga+4/28ga)	8WH (2/18ga+6/28ga)	
ETH Full Mortise Butt Hinges ^{1,2}	N/A	•	•	•	•	•	•	•	•	•	1. For wire configurations not listed, please consult the factory. 2. 20 gauge wire used on 3.5 x 3.5 and 4.0 x 4.0 WH Series hinges. 3. Magnetic switch used for monitor applications. 4. 28 gauge wire only.
ETM Full Mortise Butt Hinges ^{1,2}	•	•	•	•	•	•	•	•	•	N/A	
Pivots (3/4" and 1-1/2" offset) ¹	N/A	•	•	•	•	•	•	•	•	•	
Swing Clear/Raised Barrel/Half or Full Surface ¹	N/A	•	•	•	•	•	•	•	•	•	

QUICK HINGE CROSS REFERENCE SHEET

All hinges will be supplied as Command Access Branded, UL-F rated hinges unless otherwise requested. If another manufacturer's hinge is desired, please call for availability.

	COMMAND ACCESS	HAGER	STANLEY	MCKINNEY	PBB	BOMMER	IVES	RAMCO	CAL ROYAL
5 Knuckle Standard Weight Hinges Steel Base	CH-BB79	BB1279	FBB179 CB179	TA2714	BB81	BB5000	5BB1	BB79	BB31
5 Knuckle Standard Weight Hinges Brass Base (All except US32D)	CH-BB91	BB1191	FBB191 CB191	TA2314	BB21	BB5001	5BB1	BB91	5BBB31
5 Knuckle Standard Weight Hinges Stainless Steel Base	CH-BB91	BB1191	FBB191 CB191	TA2314	BB51	BB5002	5BB1	BB91	BB31-630
5 Knuckle Heavy Weight Hinges Steel Base	CH-BB68	BB1168	FBB168 CB168	T4A3786	4B81	BB5004	5BB1HW	BB68	BB5200
5 Knuckle Heavy Weight Hinges Brass Base (All except US32D)	CH-BB99	BB1199	FBB199 CB199	T4A3386	4B21	BB5005	5BB1HW	BB99	N/A
5 Knuckle Heavy Weight Hinges Stainless Steel Base	CH-BB99	BB1199	FBB199 CB199	T4A3386	4B51	BB5006	5BB1HW	BB99	BB5200-630
3 Knuckle Standard Weight Hinges Steel Base	CH-CB70	AB700	CB1900R	TA714	CB81	LB8000	3CB1	CB70	BB2200
3 Knuckle Standard Weight Hinges Brass Base (All except US32D)	CH-CB80	AB800	CB1960R	TA314	CB21	LB8001	3CB1	CB80	N/A
3 Knuckle Standard Weight Hinges Stainless Steel Base	CH-CB80	AB800	CB1960R	TA314	CB51	LB8002	3CB1	CB80	BB2200-630
3 Knuckle Heavy Weight Hinges Steel Base	CH-CB75	AB750	CB1901R	TA786	4C81	LB8004	3CB1HW	CB75	BB3300
3 Knuckle Heavy Weight Hinges Brass Base (All except US32D)	CH-CB85	AB850	CB1961R	TA386	4C21	LB8005	3CB1HW	CB85	N/A
3 Knuckle Heavy Weight Hinges Stainless Steel Base	CH-CB85	AB850	CB1961R	TA386	4C51	LB8006	3CB1HW	CB85	BB3300-630

NOTES:
 There will be a \$5 net labeling charge to emboss the "Command Access UL-F" label on another manufacturer's hinge.

CAT PIVOT



The Energy Transfer Pivot Hinge is available in the same wire configurations as the butt hinges. It's a great way to pass power from the hinge jamb to the door and have no exposed wires or cords. We maintain a large inventory of CAT's own intermediate pivot hinge. The customer may also supply their hinge for modification.

FEATURES

- Non-conductive wire access cap for added wire protection
- 4' lead available at no extra charge
- Multiple wire configurations (refer to chart on page 29)
- 3-year "no hassle" warranty

All pivots are made to Command Access standardized templating




Standard CDL-AL

CDL

The patented Concealed Door Loop (CDL) is a low cost method of transferring low voltage power from the door frame to the locking device. Whereas typical door loops are surface mounted and remain constantly visible, the CDL slides

into the door and/or frame completely concealing itself when the door is closed. Common applications include: use with continuous hinges, storefront conditions where offset hinges are used, and for most applications where ETH hinges or conventional door loops would be used. The CDL's aesthetic appeal will benefit retrofits and new installations alike.

FEATURES

- Durable finish
- Special 1/4" flexible armored conduit (i.d. 1/4")
- Easy installation
- Supports up to 180° swing (Standard Butt and Continuous hinge applications)
- Variable mounting locations
- 3-year "no hassle" warranty

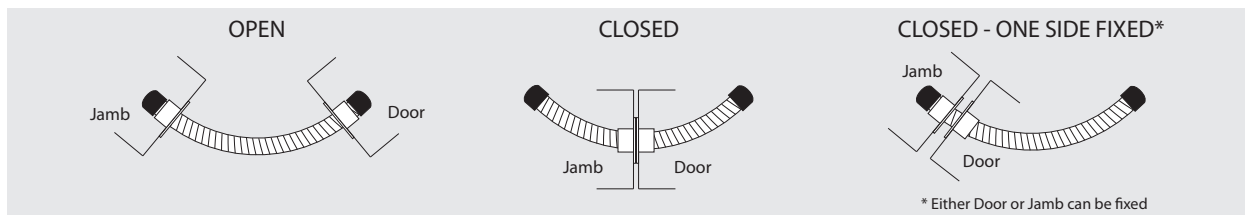
MODELS

- CDL-AL (Aluminum Finish)
- CDL-BLK (Black Anodized Finish)

OPTIONS

- FX (suffix) one side fixed to ensure that the CDL only travels into one side of the assembly

CDL FUNCTIONALITY



CDL-EXT

The CDL-EXT is based on the patented Concealed Door Loop (CDL) and is especially made for 3/4" offset pivot and narrow frame/door stile application. It is a low cost method of transferring low voltage power from the door frame to the locking device. Whereas typical door loops are surface mounted and remain constantly visible, the CDL-EXT slides into the frame, completely concealing itself when the door is closed. Commonly used in storefront entrances with 3/4" offset pivot conditions, the CDL's aesthetic appeal will benefit retrofits and new installations alike.

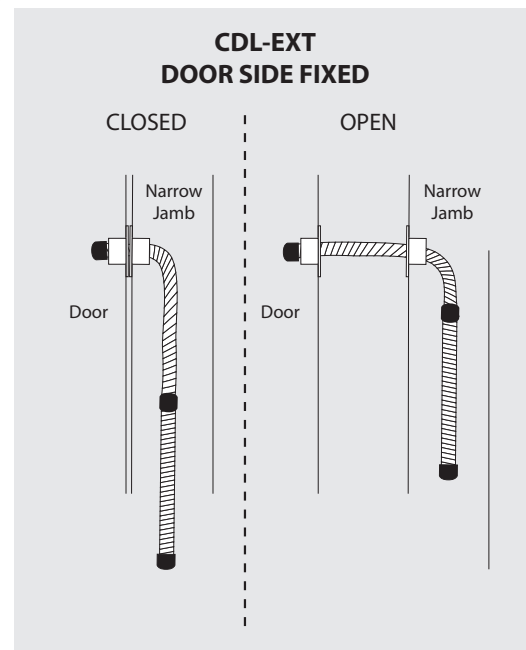
NOTE: Center hung and 1-1/2" offset pivots

FEATURES

- Durable finish
- Special 1/4" flexible armored conduit (i.d. 1/4")
- Easy installation
- Supports up to 105° swing on 3/4 offset pivots
- Variable mounting locations
- 3-year "no hassle" warranty

MODELS

- CDL-AL-EXT (Aluminum Finish)
- CDL-BLK-EXT (Black Anodized Finish)



SURFACE DOOR LOOP

The surface door loop provides a safe way to transfer power when concealed methods are not possible. With flexible armored conduit (i.d. 9/32") and end caps, the DL24 door loop offers a field sizeable (18" - 24"), surface applied solution in aluminum or duronatic finishes.

Check our website for specifications



THE COMMAND ACCESS COMMITMENT



www.CommandAccess.com



COMMAND ACCESS
TECHNOLOGIES

U.S.A.

22901 La Palma Ave, Yorba Linda, CA 92887
Phone: (888) 622-2377 Fax: (888) 622-2302

Canada

2261 E Royal Windsor Road, Mississauga ON L5J 1K5
Phone: (855) 823-3002 Fax: (905) 823-1249