PUSH TO EXIT

EMERGENCY DOOR RELEASE

PUSH TO UNLOCK

PUSH TO SOUND ALARM

PUSH TO UNLOCK

PUSH TO EXIT

PUSH TO LOCK

PUSH TO EXIT

PUSH TO UNLOCK GATE

EMERGENCY DOOR RELEASE

PUSH TO OPEN

PUSH TO OPEN

PUSH TO LOCK

PRESS TO OPERATE

PUSH TO EXIT

EMERGEN DOOR RELEAS

DeltrexUSA
Opening Doors To the Future

ELECTRIC DOOR CONTROL AND MONITORING SYSTEMS

DeltrexUSA – offers the most complete, diversified and comprehensive line of user friendly electric door control systems, exit release, call buttons, electromagnetic locks, power supplies, monitoring device assembled hardware with complete simplified application solutions. All products are designed, developed and most are made in the USA. All DeltrexUSA systems are code conforming and ADA compliant as applicable. They are consistently reliable, durable and long lasting. Milling and engraving is done at our factory, and optionally, all plate types can be custom engraved with dealer's name. The original founder of Deltrex is Irving Saphirstein, recognized as the inventor of the electromagnetic lock and the founder of Locknetics in 1969. Irvin's vast experience is of benefit to DeltrexUSA and our community of users.

The team at DeltrexUSA is dedicated to the success of its dealers and users. We invest heavily in cutting edge hardware and software aimed at delivering highly innovative solutions such as our intelligent Local Door Alarm (LDA) and Door Management Alarm (DMA) (Series 8200) as well as an Innovative Access Doors Controllers (Series 9000).

At DeltrexUSA we are guided by simple core beliefs: Innovation Performance, Customer Service, Quality, Price, Networking.

DeltrexOEM – Our engineers can offer specialized services to design, develop and supply USA made control boards, switches or systems to meet any and all of your specification needs.

DeltrexAVI – Our OEM department offers Vehicle Control and Automatic Vehicle Identification (AVI) Barcode Reader. The infrared laser based reader can identify the vehicle's barcode at speeds up to 50MPH. DeltrexUSA's Barcode (Model DLX-4000) AVI is the most compact and cost effective barcode reader available.

DeltrexIES – Our engineers are available to provide CAD based, full system analysis and validation, with specialized security integration. The services are offered as custom solutions to our dealers, suppliers and customers.

For additional details on any of these OEM features contact our design services engineers at the DeltrexUSA main office.

Today the company is managed and guided by top industry leaders recognized as developers of high quality and performance product lines.

Elias Wexler, DeltrexUSA
• Past Owner of Zero International, Inc. Now an Allegion Company
• Past President of the Critical Manufacturing SCC Executive Committee
  Office of Infrastructure Protection, U.S. Department of Homeland Security

Isac Tabib, DeltrexUSA
• Past Owner of Antar-Com Inc. Now a Diebold company.

▼DeltrexUSA
391 Concord Avenue, Bronx, NY 10454
P: 718 401-4006   F: 718 401-4066
E: contact@deltrexusa.com

DeltrexUSA Products

PUSH PLATE AND SWITCHES
- PUSH BUTTONS
- ARCHITECTURAL PUSH PLATES
- EXIT REQUEST AND REQUEST TO EXIT
- PNEUMATIC DELAYED RESET SWITCH
- TOGGLE SWITCHES
- CALL BUTTON ACTUATORS
- ANTI-VANDAL DURESS AND EMERGENCY CALL
- DOOR STATUS SWITCHES

SPECIALTY
- VISUAL STATUS MONITORING AND INDICATORS
- AUDIBLE ANNUNCIATOR PANELS
- PROGRAMMABLE ELECTRONIC DIGITAL KEY PADS
- HIGH SECURITY MORTISE CYLINDER KEY SWITCH

Item # 9300
Control System for 2 doors with 365 day clock to unlock as needed. Contact engineering department for specifications.

POWER SUPPLIES
- POWER SUPPLY
- HIGH CURRENT MULTI OUTPUT POWER SUPPLY
- TRANSFORMERS
- BRIDGE RECTIFIERS WITH LEADS
- MINI SOUNDER

DOOR HARDWARE
- ELECTROMAGNETIC (MAG LOCK) LOCKING DEVICES
- EXIT SENSOR BAR
- ELECTRIC STRIKES
- PIR (PASSIVE INFRARED) DETECTOR
- POWER TRANSFER LOOP

AUXILIARY BOARDS
- TIMER BOARD
- ADJUSTABLE RESET TIMER BOARD
- TIME CONTROL LOCKING SYSTEM
- SAFETY INTERLOCKS
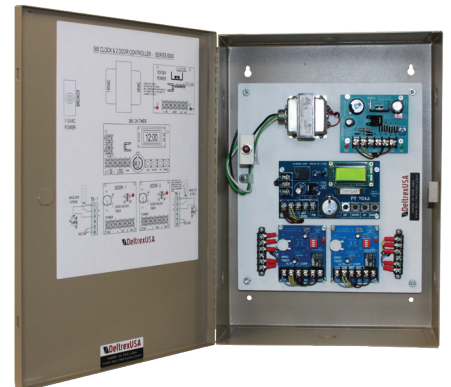- DELAY EXIT
- DSI BOARD

ACCESS CONTROL
- ILDA - INTELLIGENT LOCAL DOOR ALARM
- NU2 - UNIVERSAL CYBER SAFE MODULE FOR UP TO 16 DOORS
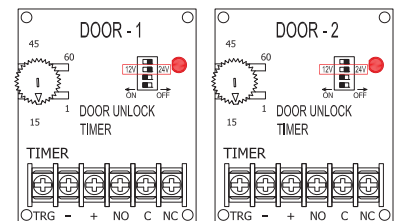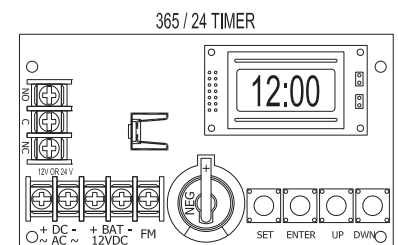- BAR CODE READER FOR AVI (AUTOMATIC VEHICLE IDENTIFICATION)

SYSTEMS
- COMMUNICATION BATHROOMS
- SHARED PATIENT OR DORMITORY ROOMS
- MANTRAP
- LABORATORIES, CLEAN ROOMS, X-RAY ROOMS
- VHS - VERY HIGH SECURITY ROOMS
- ADA SYSTEM

Push Plates

The 106 Series Push Plate Switches are an upscale actuator product, ideal for use where codes require a door control release and an aestetichaly pleasing appearance. They feature a large push plate mounted on a back plate with smooth beveled edges to enhance appearance and are joined from the back with concealed screws. Narrow recessed models are specifically designed for installation in aluminum store front frames requiring minimal cut out prep.

106 Series

S106	T106	F106	D106	L106

Plate Format

The push plates are made of 5052 marine type aluminum as standard. They are also available in stainless steel and architectural bronze. The front plate is engraved as specified in a long lasting deep format. For a complete part number, see page 11.

Better Hygiene

In response to rising hygiene standards and increasing demand for practical antimicrobial applications, the push plate switches are available in 350 type architectural bronze. This material is used in hospitals, nursing homes, doctor's office, schools and clinics. This minimizes microbial exposure while maintaining a sanitary work enviroment. The long lasting material withstands surface wear and maintains long lasting antimicrobial protection.

To Specify

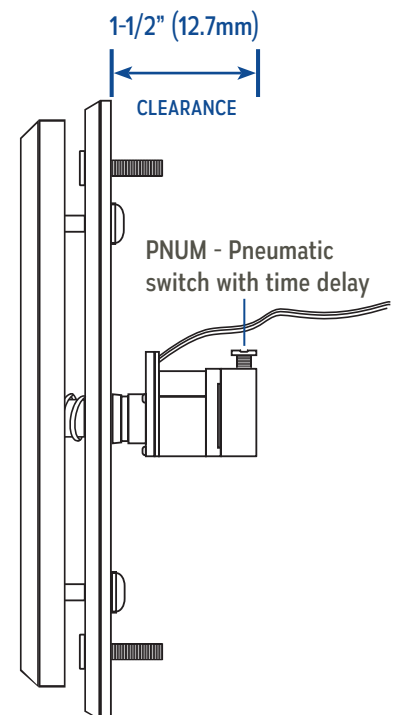B Architectural bronze material is a mill finish form.
It is available in the following finishes:
SB sandblast (standard)
PB polished brass
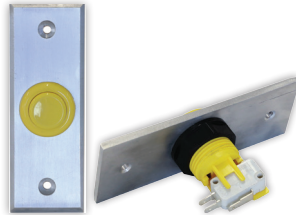OR oil rubber, dark brown; for specification, the part number will include B-SB or B-PB or B-OR

1-1/2" (12.7mm)

CLEARANCE

PNUM - Pneumatic switch with time delay

Buttons and Switches

General Purpose Buttons
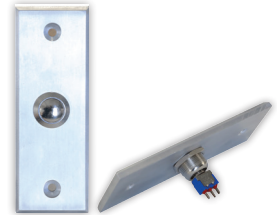
Item #144

Item #147

Item #146
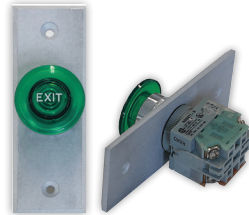
Item #148

Toggle Switch

Item #101

101 Series Toggle Switches with Mustang Actuator, are rated at 6 amps @ 120VAC/28VDC and are furnished with 8" long colored coded 20 gauge stranded wire leads. The LEDs are equipped to operate at 12 or 28VDC input. Engraving is available with aluminum plates. The aluminum plate will differ slightly in dimensions when used in, aluminum or steel frames. Specify the application. For complete part number, see page 11.

Vandal Resistant Button

Item #149
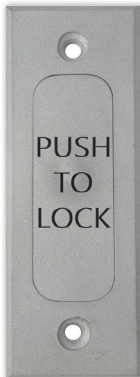
149 series Vandal Resistant Buttons (sometimes referred to as vandal proof switches or tamper-proof switches) are electrical switches designed to be installed in a location (or device) and application where they may be subject to vandalism or tampering, as in the case of pedestrian crossing switches, public and industrial spaces or fradulent or unauthorized use, as in the case of vending machine switches. Vandal resistant switches are located on devices that are accessible to the public or which are located outside also have to be able to withstand dust, rain, snow, and frequent operation.

3" Cut
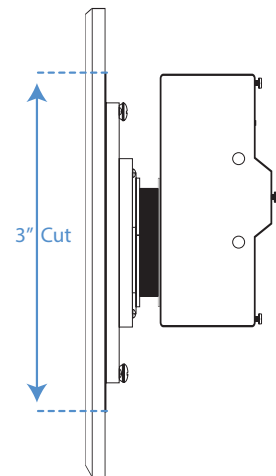
The surface of the actuator push plate is leveled with the base and it is easy to clean. They are made for all typical standard electrical mounting boxes as well as for special applications. Depending on the type of electrical switch, the **149** series has a mechanical life of one million cycles. For a complete part number, see page 11.
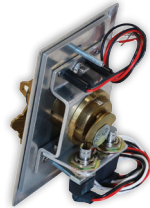
Key Switches

## HS Mortise Cylinder Key Switch

Item #241

The mounting plate is beveled and made of 5052 type marine aluminum 1/4" thick, or stainless steel.

Designed for high frequency and restricted area usage, vandal resistant, item #241 is operated by an 1-1/4" mortise cylinder with contacts rated up to 6 Amps @ 125VAC and 4 Amps @ 28VDC. UL recognized snap-action SPDT switch is furnished standard with 8" color coded 20-gauge stranded wire leads. Turning the key left or right momentarily activates the contact. A wide range of switch configurations including optional LED indicators can be specified. For complete part number see page 11.

Non-Illuminated Door Control

Item #140
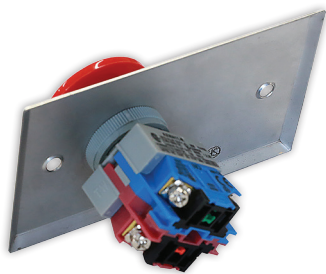
140 series heavy duty, non-illuminated momentary push button on 1-gang aluminum or stainless steel. Rated at 10 Amps @ 125VAC/24VDC. Options include button engravings and 28 volt LEDs.

Door Violation Alarm Key Switch

Item #221   Item #222

Door Violation Alarm Key Switches are installed with, loud sensors, status LEDs and a mortise cylinder keyswitch to arm, disarm and reset.
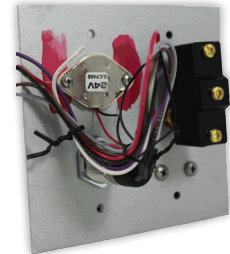
Item #3649

Installed with bell cylinder shunt switch

Emergency Door Release

Item #C3800

The 3800 series fail-safe Emergency Door Release and alarm station includes a manually continuous duty alarm sounder on a 2-gang switch plate for wall mounting adjacent to the electrically locked door.

Door Controls

Door Positioning Switch

Item #188-15BK (Shown)

The unique housing design features a rugged unibody construction with flexible ribbed sides for quick, secure installation without gluing. The magnet housing isolates the magnet from the surrounding steel for maximum gap distances.

3/4"

Available in White (WH) or Black (BK)

Snap Mount for HM doors and frames

182-15WH	3/8" SPDT
188-15WH	3/4" SPDT
188-15BK	3/4" SPDT

Item #184

The 184 Series comes with a recessed mount made specificality for wooden frames.

Electric Strikes

Item #600

600 Series Electric Strikes are universally adaptable to suit all door and frame types and accommodate most locking devices with up to a 3/4" latch protection. To simplify ordering and speed installation, all 600 series models feature 12/24V AC/DC field-selectable operation, dail-selectable fail-safe or fail-secure operating mode, 1/4" horizontal adjustment and modular plug-in wire connections.

Digital Keypads

210 Series Heavy Duty Digital Keypads provide a practical and reliable means of access for authorized personnel into restricted or classified areas or after business hours. Convenient front panel programming.

Item #210-10

Allows up to 49+50 PIN.

Door read switch for anti-tailgating.

Fully programmable via keypad and master code.

Durable stainless steel housing with vandal resistant screws.

Can open 2 doors with different combinations.

Specifications
Input: Request-to-exit,door reed switch
Output: Dual relays, N.O./N.C./Com. Output
Memory Volume: Relay 1 is controlled by user 001~049
PIN Codes: 5 digit codes only

Item #210-20

Aluminum alloy casing, designed with vandal resistant screws for enhanced safety and durability.

Allows up to 200+ users.

29-digit code password protected.

3 LED indicators & buzzer for status indication.

Invalid PIN lockout.

Non-Volatile Memory.

Can open 2 doors with different combinations.

Specifications
Input: 1 contact for request-to-exit button
       1 contact for door reed switch
Output: 2 relays (dry contacts: N.O./N.C./COM)
Memory Volume: 200+10 PINs

Electromagnetic Locks

Compact, efficient, architecturally-oriented electromagnetic locking devices provide safe positive instantaneous door control. These locks are designed to withstand excessive abuse and high frequency usage without fear of electrical breakdown; advanced engineered features assure longer, more durable installations without door distortion or strain.

For Emergency, a mag lock requires the use of a time delay switch to break the power locally at the door. This is accomplished by the use of a self contained pneumatic switch, our item number "F106-L0-SB-E02-PNUM".

For installations without an access control system, specify a powersupply (550 series) and a pneumatic switch out item, "F106-L0-SB-E02-PNUM". When installing a power supply by others, a fire contact must be made available to break power to the maglock during fire emergencies. For installations with our access control (5200 series) specify a request to exit motion detector, mounted on the secure side above the door (item #424), and a pneumatic switch (item F106-L0-SB-E02-PNUM). For the non-secure side, specify a proximity reader device (item #5395).
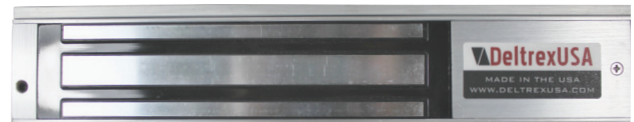
Mounting brackets are available as needed. Specify filler plates, Z bracket, spacer plates or angle brackets. For custom designed brackets submit drawings.

806 Series 650 lbs

Overall Dimensions
1-1/4"D x 1-3/4"H x 10-1/2"L
Current Draw
500mA @ 12v
250mA @ 12v

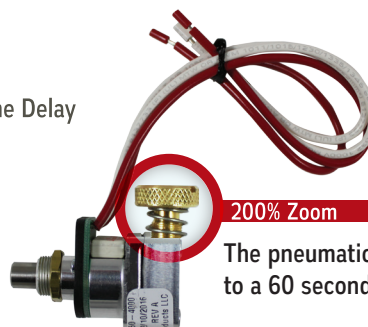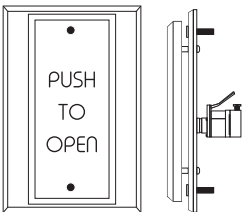## 810 Series 1200 lbs

Overall Dimensions
1-1/16"D x 2-1/8"H x 12-1/2"L
Current Draw
680mA @ 12VDC
350mA @ 12VDC

825 Series 1500 lbs

Overall Dimensions
1-1/2"D x 2-3/4"H x11"L
Current Draw
420mA @ 12VDC
210mA @ 12VDC

Pneumatic Switch

F106-L0-SB-E03-PNUM Pneumatic Switch with Time Delay

PUSH
TO
OPEN

200% Zoom

The pneumatic switch can be adjusted for up to a 60 second reset delay.

Door Readers

Proximity Card Reader

Item #5395

Specifications
18" (45cm) wire pigtail standard.
9' (2.7m) wire pigtail available by special order.
Low power consumption.
Includes multilingual installation manual.
Providing performace and reliability, PCR's attractive, unobtrusive Proximity Card Reader is housed in a two-piece, weatherproof secure potted enclosure.

Item #3300

Specifications
13.56 MHz/ 125 KHz
4001 Compatible Card
1.05mm
ABA 8H / 10D

00006359141

## Bridge Rectifier and Power Supply

Item #C590

Specifications
C590-BR2   2 amp Rated   400PRV
C590-BR4   4 amp Rated   600PRV
C590-BR6   6 amp Rated   600PRV

A primary application of Bridge Rectifier is to transform an alternating current (AC) input into a direct current (DC) output. All electronic devices require direct current, so Bridge Rectifiers are used inside the power supplies of almost all door access control equipment. The C590 is furnished with 8" color coded, 20 gauge stranded wire leads for easy hook-up.

Item #BC592   Item #BC323M-15   Item #506
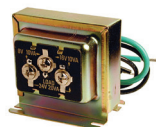
Hardwired transformers feature solid construction with heavy duty lead and ground wires. Transformers contain fused primaries. UL and CSA approvals.

Passive Rex Sensor

Item #424

The relay is triggered when an object enters the detection field, switching from N.C. to N.O. contact to open the door. The Rex Sensor switch can be connected to other devices such as proximity and PIN readers, and electromagnetic locks, etc.

Item #425

The DREX is a sophisticated and cost-effective request to exit device for all access control applications and an alternative to installing an exit button. Outstanding innovations such as X-Y targeting and Digital Signal Processing (DSP) implementation make the DREX the fastest and most reliable exit detector available.
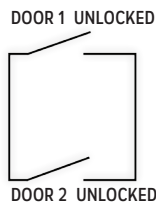
Specifications
Operating Voltage: 12-24VAC/DC
Relay Ranking: 3A/125VAC/30VDC
Relay Strike Time: 0.5~4seconds
Proximity Range: 7M(23 feet)
Frequency: 10.525 GHz

MAX: 16.5 FEET
MAX: 23 FEET
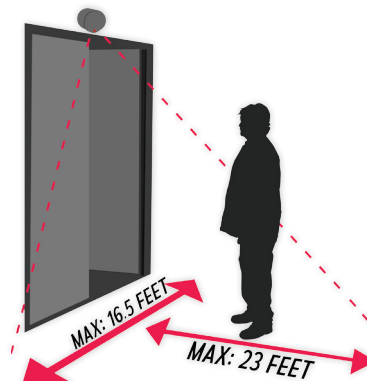
Door Systems

Control Application Systems

### Item #9100   2 Doors in Parallel

DOOR 1 UNLOCKED

DOOR 2 UNLOCKED

9100 Series Breakdown

Push door 1 with 106 series push plate, door 1 and door 2 opens at the same moment. There is an adjustable dual timer, so once both doors are open they can be adjusted to close at different times. When you push to open door 1, both doors will open. However, door 2 will close later to allow for traffic. Same principal starting with door 2.

9100 series for 2 doors in parallel

2   Item #810 MAGLOCK or item #600 Electric lock
2   Item #F106-E02 push plate
1   Item #BC323M-15 power supply
2   Item #188-15BK door switch monitor
1   Item #9101 access control with dual timer

Item #9200   Mantrap System

DOOR 1 LOCKED

DOOR 2 LOCKED
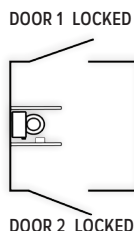
### 9200 Series Breakdown

Door 1 and door 2 are open, empty room. Push 106 series push plate from inside the room to lock both doors. Outside red lights indicated that the room is occupied. Push one of the two 106 series push plates from inside to unlock both doors. System automatically resets, emergency release on both doors from outside.

9200 series for 2 doors to one room, bathroom system

2   Item #810 MAGLOCK or item # 600 Electric lock
2   Item #F106-E02 push plate
1   Item #BC323M-15 power supply
2   Item #188-15BK door switch monitor
4   Item #326 indicator lamps
2   Item #C3800 Emergency door release
1   Item #9102 access control with dual timer

Auxiliary Boards
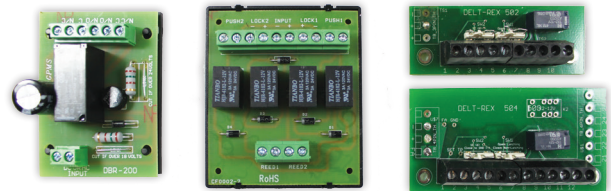
The 500 Series relay modules work when power is input through the contacts.

Types of boards

Timer Board
Adjustable Reset Timer Board
Time Control Locking System
Safety Interlocks
Delay Exit
DSI Board

Specifications

Power Input: 8-30VAC or 11~30VDC
Relay Output: 5A @ 240VAC - 5A @ 30VDC
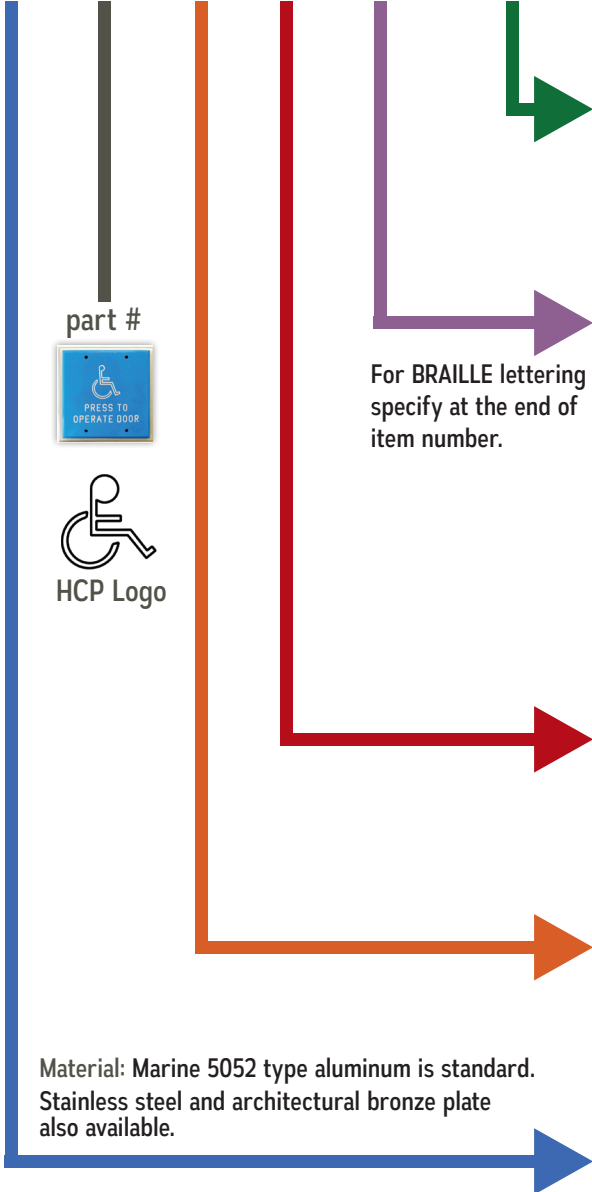Current: 45mA @ 12V

Intelligent Local Door Alarm

ILDA is programmable via Bluetooth communication to an app on an IOS enabled device.
See instruction manual link.

This Intelligent Local Door Alarms (ILDM) allow's system integrators to utilize a single type of door alarm to handle a large variety of alarm applications, including Local Warning Alarms, Door Held Alarms, and Forced Door Alarms.

The ILDM monitor door contacts, motion sensors, and access control devices such as card reader systems and keypads to determine and annunciate the status of a controlled door. Device input and outputs are fully configurable via IOS device app. Our Local Door Alarms complement most access control systems by providing local audible warning and alarm signals to alert area personnel of a door violation, and by communicating the alarm status to the access control system.

Example of Proper Order Formation

D - 106 - SB - L0 - E32 - SPDT

part #

HCP Logo

Material: Marine 5052 type aluminum is standard. Stainless steel and architectural bronze plate also available.

For BRAILLE lettering specify at the end of item number.

Switch Type

SPDT Momentary	**TIMR** Dual Timer	
DPDT Momentary	**WILS** Wireless	
PNUM (2-60 seconds)	**CUST** Custom	

Engraving Option

Note: Engraving available in English, Spanish, French, Arabic & Japanese.

E00 No Engraving	**E15** Emergency Door Release
E01 Exit	**E22** HCP logo & Push to Exit
E02 Push to Exit	**E24** HCP logo & Push to
E03 Push to Open	Open Door
E04 Emergency	**E32** HCP logo & Press to
E07 Push for Help	Operate Door
E08 Push to Lock	**E41** Request to Exit
E09 Push To Unlock Gate	**EH2** HCP logo
E11 Push to Sound Alarm	**ECE** Custom (specify)

LED Lights

L0 No LED
L1 One green
L2 One green and red

Plate Finish

SB Sand Blast (Standard)	**RD** Red	**CU** Custom
CA Clear Anodized	**BL** Blue	**NN** No Color
DB Dark Brown	**WH** Off White	

Plate Size

Plate Size	Back Plate	Front Plate
S Narrow size	1-3/4"x4-1/2"	2-1/2"x4"
F Full Width/Single Gang	3"x4-1/2"	1-1/2"x4"
D Double size	4-1/2"x4-1/2"	4"x4"
L Narrow Long Plate	1-3/4"x6"	1-1/2"x4"
E Extra	ADVISE	ADVISE
T Full/Push Plate	3"x4-1/2"	1-1/2"x4"

Back Plates On Display
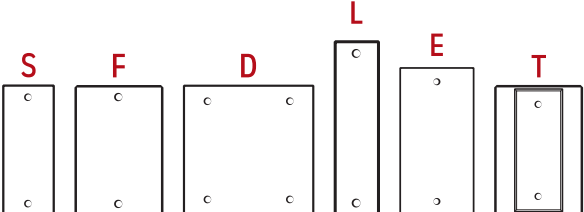
S   F   D   L   E   T

DeltrexUSA

391 Concord Avenue
Bronx, NY 10454

P: 718 401-4006
F: 718 401-4066
contact@deltrexusa.com

www.deltrexusa.com