PUSH TO EXIT
EMERGENCY DOOR RELEASE
PUSH TO UNLOCK
PUSH TO EXIT
PUSH TO UNLOCK
PUSH TO EXIT
PUSH TO UNLOCK
PUSH TO EXIT
PUSH TO UNLOCK
PUSH TO UNLOCK
PUSH TO OPEN
PUSH TO LOCK
EMERGENCY DOOR RELEASE
PUSH TO OPEN
PUSH TO LOCK
OPERATE
PUSH TO EXIT
EMERGENCY DOOR RELEASE

ELECTRIC DOOR CONTROL
AND MONITORING SYSTEMS

DeltrexUSA
Opening Doors To the Future
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).

Elias Wexler, DeltrexUSA
• Past Owner of Zero International, Inc. Now an Allegion Company
• Past President of the Critical Manufacturing SCC Executive Committee

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

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.

TERMS:
All claims for shortage or improper filling of order should be made within 10 days of receipt. No returns accepted without prior authorization. Returns should be made within 30 days of authorization, freight prepaid, 25% restocking and handling charge will apply. Returns made after 30 days from date of delivery will receive a credit to their account to be applied to future orders. Nonstandard and specialty fabricated items are not returnable.

CANCELLATION CHARGE: 25% If order is fabricated and packed. Guarantee/Warranty: Two years against defects in material or workmanship. Defective material will be replaced, however, no back charges for damage incurred or work done thereon will be allowed. Purchase or use of this product constitutes an agreement with Seller and Manufacturer that, if this product proves to be defective or in any way unsuitable, Seller’s and Manufacturer’s limit of liability for all damages, including but not limited to incidental or consequential damages, and User’s or Purchaser’s exclusive remedy, regardless of legal theory, including theories of breach of warranty, negligence and strict liability, shall be to receive, at Seller’s or Manufacturer’s option, repair of the defective product, an equivalent quantity of replacement product or a refund of the purchase price.

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

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

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

Please refer to deltrexusa.com for products not shown in this catalog.

Item #903
Control System for 2 doors with 365 day clock to unlock as needed. Contact engineering department for specifications.

Contact engineering department for specifications.
The 106 Series Push Plate Switches are an upscale actuator product, ideal for use where codes require a door control release and an aesthetically 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.

**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 environment. 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
Buttons and Switches

General Purpose Buttons

Item #144

Item #147

Item #146

Item #148

Toggle Switch

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

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 fraudulent or unauthorized use, as in the case of vending machine switches.

Item #149

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.

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.

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

The 184 Series comes with a recessed mount made specifically 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, dial-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
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 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

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”.

Pneumatic Switch

| Item #751 | Miniature Pneumatic Switch |

Pneumatic Switch

| Item #750 | Pneumatic Switch with Time Delay |

The pneumatic switch can be adjusted for up to a 60 second reset delay.
### Proximity Card Reader

**Item #5395**

<table>
<thead>
<tr>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>18” (45cm) wire pigtail standard.</td>
</tr>
<tr>
<td>9’ (2.7m) wire pigtail available by special order.</td>
</tr>
<tr>
<td>Low power consumption.</td>
</tr>
</tbody>
</table>

Includes multilingual installation manual.

Providing performance and reliability, PCR’s attractive, unobtrusive Proximity Card Reader is housed in a two-piece, weatherproof secure potted enclosure.

**Item #3300**

<table>
<thead>
<tr>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>13.56 MHz/ 125 KHz</td>
</tr>
<tr>
<td>4001 Compatible Card</td>
</tr>
<tr>
<td>1.05mm</td>
</tr>
<tr>
<td>ABA 8H / 10D</td>
</tr>
</tbody>
</table>

### Bridge Rectifier and Transformers

**Item #C590**

<table>
<thead>
<tr>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>C590-BR2 2 amp Rated 400PRV</td>
</tr>
<tr>
<td>C590-BR4 4 amp Rated 600PRV</td>
</tr>
<tr>
<td>C590-BR6 6 amp Rated 600PRV</td>
</tr>
</tbody>
</table>

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**

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
Door Systems

Control Application Systems

Item #9100  2 Doors in parallel

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

Item #9200  Mantrap System

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

Power Supplies

Low Voltage Power Supplies 550 series low voltage rechargeable power supplies with field selectable 12VDC and 24VDC outputs are fully modular. All units include a UL recognized filtered and regulated power supply/battery charger, and can include one to twelve selected control service modules. For product options please visit: www.deltrexusa.com/power-supplies

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 (#9900) 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. For more information go to page 14 or visit: www.deltrexusa.com/intelligent-local-door-alarm
Example of Proper Order Formation

D - 106 - SB - L0 - E32 - SPDT

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

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

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

LED Lights
- L0 No LED
- L1 One green
- L2 One green and red

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

Plate Size
- S Narrow size 1-3/4”x4-1/2” 1-1/2”x4”
- F Full Width/Single Gang 3”x4-1/2” 2-1/2”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”

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.
Magnetic Door Holders

#851 Surface Mount

The 851 Surface Mount magnetic door holders are expertly designed so all you need to do is open the door and a strong magnet will keep it open until you close it. The built-in bumper will help absorb the shock of the door.

#871 Flush Mount

The 871 Flush Mount magnetic door holders are mounted within the wall facing the back of the door. The bumper will absorb the shock of the door swinging open and will keep it open until you close it.

#852 Floor Single Mount

The 852 Floor Single Mount magnetic door holders are mounted on the ground. The bumper will absorb the shock of the door swinging open and will keep it open until you close it.

#853 Floor Double Mount

The 853 Floor Double Mount magnetic door holders are mounted with 2 door holders facing against each other on the ground. The bumpers will absorb the shock of the door swinging open and will keep it open until you close it.
The only push plate you will ever need is the Hand/Foot Push Plate Switch. All our plates are manufactured with rust resistant 1/4" inch aluminum and non-binding internal stainless steel screws. The ideal exit device for any case of building ingress and egress.

**Features**

**Handicap Accessible**

The tall plate design invites hands-free ingress/egress

All manufactured with rust resistant 1/4" inch aluminum

Non-binding internal stainless steel screws

Tested for 1,000,000,000 pushes

Made in the U.S.A.

**Specifications**

**Contact Rating:** 6 Amps @ 125VAC/28VDC  
**Switch Type:** SPDT - Momentary switch (Standard)  
**Material:** 5052 Marine-type aluminum  
**Finish:** Clear satin anodized aluminum (Standard)

**Dimensions:**
Back Plate: 30" x 3.00" (Multiple size options)  
Push Plate: 29.5" x 2.5" (Multiple size options)

**Size Options**

**Length x Width**
- 30" x 3.00"
- 36" x 3.00"
- 42" x 3.00"
- 48" x 3.00"
- 60" x 3.00"
The Intelligent Local Door Alarm (ILDA) allows 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.

**Features**

Innovative Bluetooth® enabled door alarm
- Mounts into a standard two gang electrical box
- Powered from 10vdc-32vdc
- Built in 2.6” LCD showing various door conditions such as: Secured, Alarm, Held Open and others
- Utilizes the iButton digital key in lieu of traditional mechanical arm/disarm keys
- Provides four dry relays programmed via onboard jumper to allow for supervision of: NC, 1K, 1K/2K
- Available with or without LCD display
- LCD allows integrators to enter 5 lines of text and/or their end user’s Logo
- The iLDA can be custom programmed as per customer’s requirements
Our Intelligent Local Door Alarm or iLDA for short, is an innovative Bluetooth® enabled door alarm. The iLDA mounts into a standard two gang electrical box, powered from 10vdc-32vdc, has a built in 2.6” LCD showing various door conditions such as: Secured, Alarm, Held Open and others and uses the iButton digital key in lieu of traditional mechanical arm/disarm keys.

Shunt/Bypass/Silence and other features can be performed locally using the iButton, iPhone or remotely from any Access Control System (ACS). iLDA provides four dry relays programmed via onboard jumper to allow for supervision: NC, 1K, 1K/2K. There is no need for external EOL supervision resistors.

Flexible inputs allow for remote shunt, remote bypass, remote reset as well as “Lock Voltage Sense” for both Fail Safe and Fail Secure 12VDC/24VDC locks. Local built in Database allows for validating/invalidating over 50 “digital key” users.

Outputs are Bluetooth® programmed to provide conditions such as: Alarm, Shunt, Held Open and “Door Mimic” for which there is no need to drill the door’s frame for multiple Door Contacts (DC/DSM).

The iLDA is available with or without LCD display. LCD allows integrators to enter 5 lines of text and/or their end user’s Logo. In addition to many other built in features, the iLDA can be custom programmed as per customer’s requirements.

Input voltage: Range of 9-32VAC/VDC
Mounting: 2-Gang 1/2” deep electrical box
Voltage rating: @95 dB or 105dB
Pulsing tones indicate warning alarm
Decibel(dB) level is programmable