

Life Safety and Security Door Hardware



AUTOMATIC OPERATORS

AO19 SERIES® HOW TO ORDER

DETEX CORPORATION

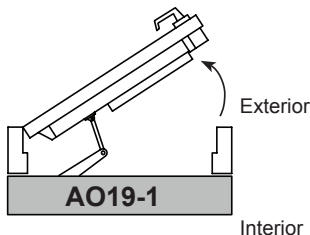
Automatic Operator

Select from list below and fax to 800-653-3839

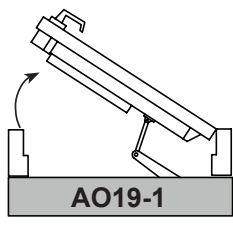
NOTE: Operator always mounted inside of building
Viewed from mounting side of door

- Single Door 39.5" Right Hand Push AL
 Qty _____ 45.5" Left Hand Push 11" + reveal BZ
 52" Pull Max reveal on a pull 2.5"

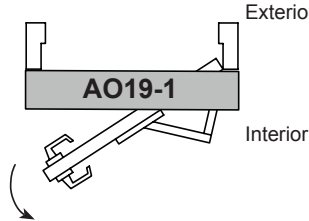
LH Push



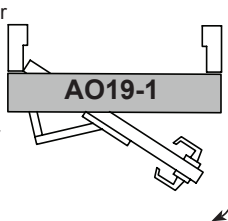
RH Push



LH Pull

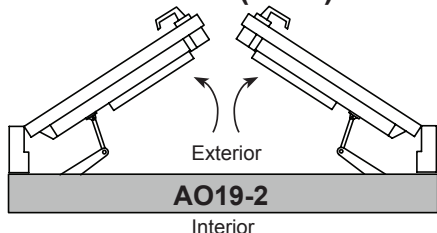


RH Pull

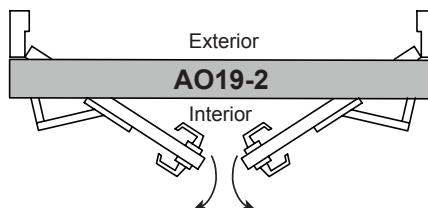


- Double Door (Twin) 75.5" Push AL Simultaneous
 Qty _____ 92" Push 11" + reveal BZ Independent
 100" Pull Max reveal on a pull 2.5"

Double Door (Twin) Push

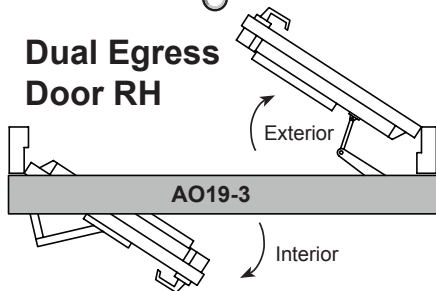


Double Door (Twin) Pull

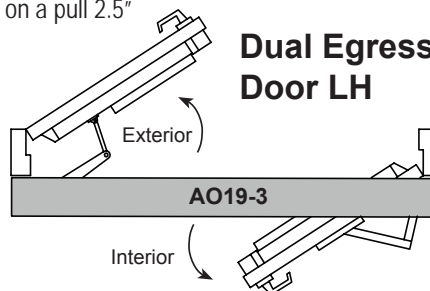


- Double Egress (Dual) Door 75.5" Right Hand Push AL Simultaneous
 Qty _____ 92" Left Hand Pull BZ Independent
 100" Max reveal on a pull 2.5"

Dual Egress Door RH



Dual Egress Door LH



Distributor: _____ Date: _____

Ph # _____ Email: _____ PO # _____

Comments: _____

Model # _____ x (length) _____ x (push/pull/dual) _____ x (AL/BZ) _____

AO19 SERIES®

AO19-1

Low Energy Automatic Door Operators for Single Doors

The AO19 Series Automatic Operator for single doors is an easy to install, heavy duty product for high use and high abuse low energy applications. The AO19 Series meets requirements for ANSI/BHMA A156.19 (American National Standard for Power Assist and Low Energy Power Operated Doors) and provides standard features that meet the requirements of the American Disabilities Act.



AO19-1 RH Push

Shown with 21 Series
Electric Latch
Retraction (ER)

Benefits

- Economical operator provides safe and easy access in medium to high-traffic and security areas
- Provides ADA compliant access to handicap applications
- Quiet operation
- 115VAC power plug-in mounted in header
- Hanger plate allows quick installation
- Self-contained unit in an extruded case allows easy access for maintenance and adjustments
- Works with existing access control, locking and computer signal devices
- Easy manual use
- Reduced service calls due to heavy-duty construction
- 3-way low-voltage ON/OFF/HOLD switch for ease of service and setup
- Can be installed and adjustments can be made prior to electrician connecting building power

Features

- Available in single, pair (twin) for independent, simultaneous and dual egress openings
- Power close applies a reverse power to aid in latch check position. Must be selected to activate.
- Single voltage source required to operate
- Adjustable delayed activation for sequenced vestibule doors
- Reverse on obstruction stalls a door during closing cycle and re-activates to open if an obstruction is sensed anytime before the latch position. Must be selected to activate.
- Adjustable closing speed
- Push & Go (Use for Handicap) activates when door is manually pushed to open. Must be selected to activate.
- Electric lock relay provides an adjustable delay before door opens to unlock an electric strike, maglock or other types of electric locks - prevents binding

Mechanical Options

- LH Push - Left Hand Push
- RH Push - Right Hand Push
- LH Pull - Left Hand Pull
- RH Pull - Right Hand Pull
- 39.5" - Fits above most 36" doors
- 45.5" - Fits above most 42" doors
- 52" - Fits above most 48" doors

Accessories

- 104792 - Wireless Button Package (includes 2 push plates, 2 mounting boxes and 1 receiver)
- PB-2048-3 - Mushroom switch, hard-wired
- DS-3681-630 - Electric Strike, cylindrical

Call for available activation options

Technical Information

Power Requirements -
 • 115VAC 60 HZ 3 amps

Motor
 • 115VDC rectified
 • 1/8 hp
 • 60:1 gearbox

Module -
 • Activation input terminals
 • Form C lock switch terminals
 • Safety lock-out built in
 • 17 additional features standard on board

Enclosure -
 • 7" h x 4 1/2" d
 • Approximately 50 lbs
 • Aluminum extrusion

- Push reveal depth up to 11" with standard arm. Extended arm available.
- Pull reveal depth up to 5"

Listings and Approvals



Certified to ANSI/UL 325
 Tested - ANSI 156.19



Meets ADA requirements

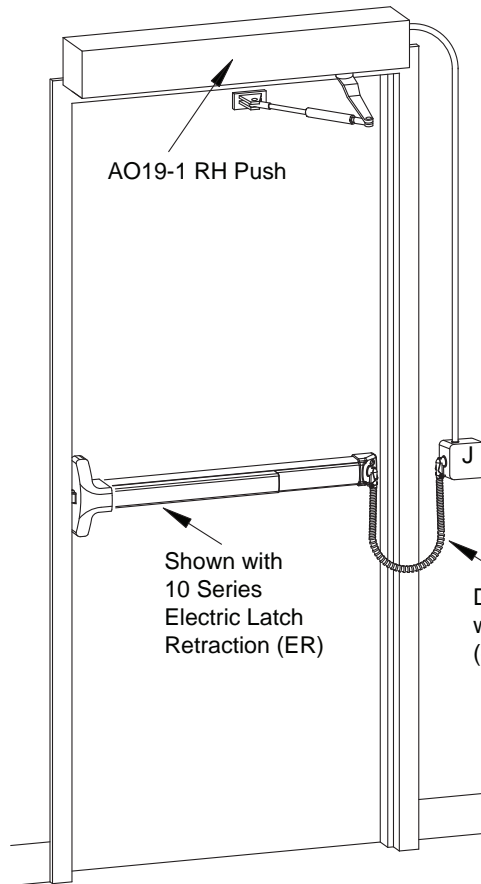


3-Hour Fire Listed

Finishes

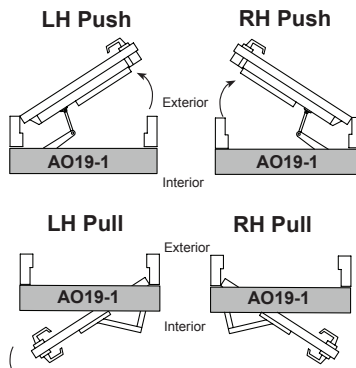
- AL - 204-Ri Clear: Arch. Class II anodized coating, AA-M12C22A31
- BZ - 313-Ri Dark Bronze: Arch. Class II Anodized coating, AA-M12C22A32

Riser Diagram



Typical Application

Handing Diagram



Detex Limited Warranty

3 Year Mechanical / 1 year Electrical
 Limited Manufacturer's Warranty



Detex Corporation
 302 Detex Drive
 New Braunfels, Texas 78130-3045 USA
 PH. (830) 629-2900
 (800) 729-3839
 FAX (800) 653-3839
 http://www.detex.com
 USA Sales:
 marketing@detex.com
 International Sales:
 export@detex.com

Cancer & Reproductive Harm - www.detex.com/prop65

AO19 SERIES®

AO19-2

Low Energy Automatic Door Operators for Double Doors

The AO19 Series Automatic Operator for double doors is an easy to install, heavy duty product for high use and high abuse low energy applications. The AO19 Series meets requirements for ANSI/BHMA A156.19 (American National Standard for Power Assist and Low Energy Power Operated Doors) and provides standard features that meet the requirements of the American Disabilities Act.



AO19-2 Push

Shown with 21 Series
Electric Latch
Retraction (ER)

Benefits

- Economical operator provides safe and easy access in medium to high-traffic and security areas
- Provides ADA compliant access to handicap applications
- 115VAC power plug-in mounted in header
- Quiet operation
- Hanger plate allows quick installation
- Self-contained unit in an extruded case allows easy access for maintenance and adjustments
- Works with existing access control, locking and computer signal devices
- Easy manual use
- Reduced service calls due to heavy-duty construction
- 3-way low-voltage ON/OFF/HOLD switch for ease of service and setup
- Can be installed and adjustments can be made prior to electrician connecting building power

Features

- Available in single, pair (twin) for independent, simultaneous and dual egress openings
- Reverse on obstruction stalls a door during closing cycle and re-activates to open if an obstruction is sensed anytime before the latch position. Must be selected to activate.
- Adjustable delayed activation for sequenced vestibule doors
- Single voltage source required to operate
- Electric lock relay provides an adjustable delay before door opens to unlock an electric strike, maglock or other types of electric locks - prevents binding
- Push & Go (Use for Handicap) activates when door is manually pushed to open. Must be selected to activate.
- Power close applies a reverse power to aid in latch check position. Must be selected to activate.
- Adjustable closing speed

Mechanical Options

- Push
- Pull
- 75.5" - Fits above most pairs of 36" doors
- 92" - Fits above most 44" pairs of doors
- 100" - Fits above most 48" pairs of doors

Accessories

- 104792 - Wireless Button Package (includes 2 push plates, 2 mounting boxes, and 1 receiver)
- PB-2048-3 - Mushroom switch, hard-wired
- DS-3681-630 - Electric Strike, cylindrical

Call for available activation options

Technical Information

Power Requirements -

- 115VAC 60 HZ 3 amps

Module -

- Activation input terminals
- Form C lock relay terminals
- Safety lock-out built in
- 17 additional features standard on board

Motor -

- 115VDC rectified
- 1/8 hp
- 60:1 gearbox

Enclosure -

- 7" h x 4 1/2" d
- Approximately 50 lbs
- Aluminum extrusion

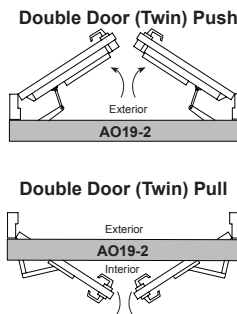
- Push reveal depth up to 11" with standard arm. Extended arm available.

- Pull reveal depth up to 5".

Finishes

- AL - 204-Ri Clear: Arch. Class II anodized coating, AA-M12C22A31
- BZ - 313-Ri Dark Bronze: Arch. Class II Anodized coating, AA-M12C22A32

Handing Diagram



Listings and Approvals



Certified to ANSI/UL 325
Tested - ANSI 156.19

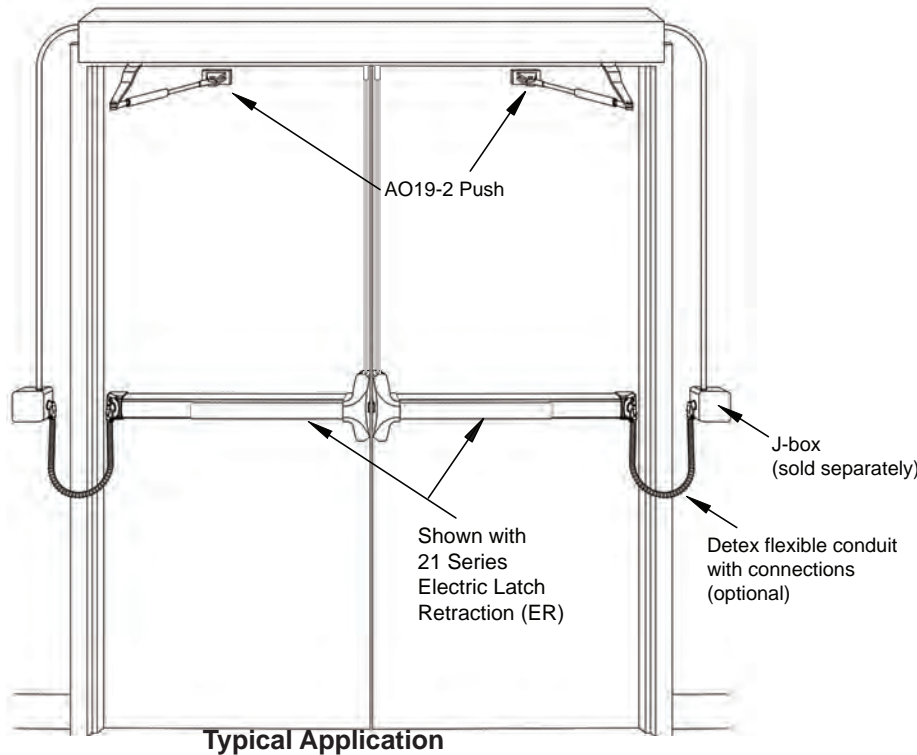


Meets ADA requirements



3-Hour Fire Listed

Riser Diagram



Detex Limited Warranty

3 Year Mechanical / 1 year Electrical
Limited Manufacturer's Warranty



Detex Corporation
302 Detex Drive
New Braunfels, Texas 78130-3045 USA
PH. (830) 629-2900
(800) 729-3839
FAX (800) 653-3839
<http://www.detex.com>
USA Sales:
marketing@detex.com
International Sales:
export@detex.com

Cancer & Reproductive Harm - www.detex.com/prop65

AO19 SERIES®

AO19-3

Low Energy Automatic Door Operators for Double Egress Doors

The AO19 Series Automatic Operator for double egress doors is an easy to install, heavy duty product for high use and high abuse low energy applications. The AO19 Series meets requirements for ANSI/BHMA A156.19 (American National Standard for Power Assist and Low Energy Power Operated Doors) and provides standard features that meet the requirements of the American Disabilities Act.



AO19-3 Dual Egress

Shown with 21 Series
Electric Latch
Retraction (ER)

Benefits

- Economical operator provides safe and easy access in medium to high-traffic and security areas
- Provides ADA compliant access to handicap applications
- 115VAC power plug-in mounted in header
- Easy manual use
- Hanger plate allows quick installation
- Self-contained unit in an extruded case allows easy access for maintenance and adjustments
- Works with existing access control, locking and computer signal devices
- Quiet operation
- Reduced service calls due to heavy-duty construction
- 3-way low-voltage ON/OFF/HOLD switch for ease of service and setup
- Can be installed and adjustments can be made prior to electrician connecting building power

Features

- Available in single, pair (twin) for independent, simultaneous and dual egress openings
- Reverse on obstruction stalls a door during closing cycle and re-activates to open if an obstruction is sensed anytime before the latch position. Must be selected to activate.
- Adjustable delayed activation for sequenced vestibule doors
- Single voltage source required to operate
- Electric lock relay provides an adjustable delay before door opens to unlock an electric strike, maglock or other types of electric locks
- Push & Go (Use for Handicap) activates when door is manually pushed to open. Must be selected to activate.
- Power close applies a reverse power to aid in latch check position. Must be selected to activate.
- Adjustable closing speed

Mechanical Options

- RH Typical
- LH
- 75.5" - Fits above most pairs of 36" doors
- 92" - Fits above most 44" pairs of doors
- 100" - Fits above most 48" pairs of doors

Accessories

- 104792 - Wireless Button Package (includes 2 push plates, box and receiver)

Call for available activation options

- PB-2048-3 - Mushroom switch, hard-wired
- DS-3681-630 - Electric Strike, cylindrical

- PT5 - Power Transfer
- EWH8-626 - Electric Hinge

Technical Information

Power Requirements -

- 115VAC 60 HZ 3 amps

Module -

- Activation input terminals
- Form C lock switch terminals
- Safety lock-out built in
- 17 additional features standard on board

Motor

- 115VDC rectified
- 1/8 hp
- 60:1 gearbox

- Reveal depth up to 5"

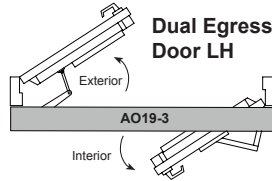
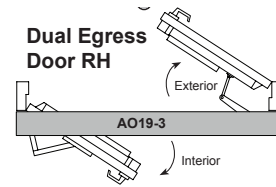
Enclosure -

- 7" h x 4 1/2" d
- Approximately 50 lbs
- Aluminum extrusion

Finishes

- AL - 204-Ri Clear: Arch. Class II anodized coating, AA-M12C22A31
- BZ - 313-Ri Dark Bronze: Arch. Class II Anodized coating, AA-M12C22A32

Handing Diagram



Listings and Approvals



Certified to ANSI/UL 325
Tested - ANSI 156.19

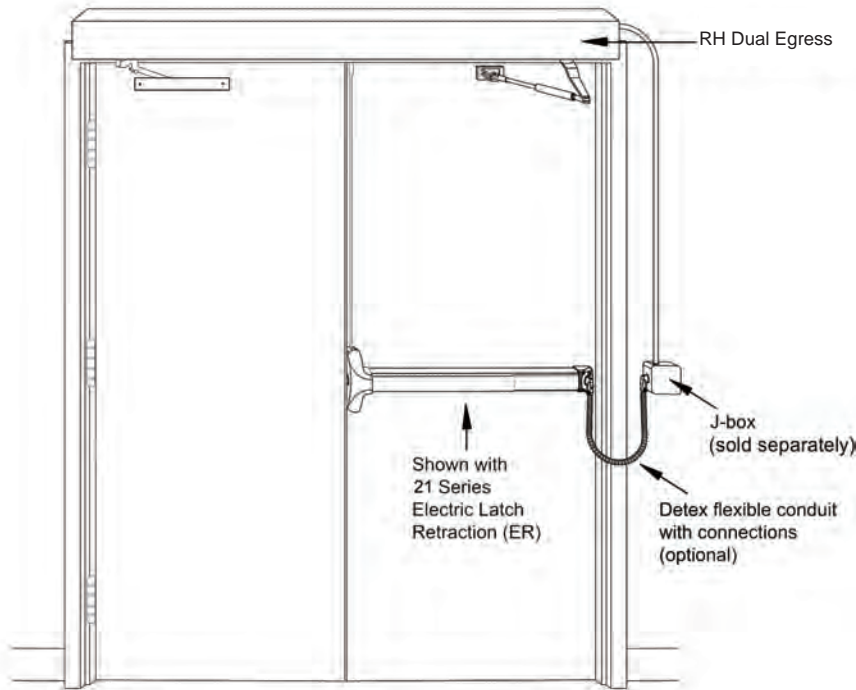


Meets ADA requirements



3-Hour Fire Listed

Riser Diagram



Typical Application

Detex Limited Warranty

3 Year Mechanical / 1 year Electrical
Limited Manufacturer's Warranty



Detex Corporation
302 Detex Drive
New Braunfels, Texas 78130-3045 USA
PH. (830) 629-2900
(800) 729-3839
FAX (800) 653-3839
<http://www.detex.com>
USA Sales:
marketing@detex.com
International Sales:
export@detex.com

Cancer & Reproductive Harm - www.detex.com/prop65



List of Accessories

4 1/2" Round Push Plate Switches

6" Round Push Plate Switches

4 1/2" Square Push Plate Switches

Jamb Mount Push Plate

Vestibule Push Plate

Keyswitch Push Plate Combination

Key Switch

Switch Posts

Hand-Held Transmitter

Transmitters

Multi-Mode Receivers

DH97 Presence Sensor

Swing Door Mounted Presence Sensor

AO19 **SERIES**

AO19 Activation Switches 4 1/2" Round Push Plate Switches

The 104742-X switches combine architectural quality finishes with industrial grade components to provide attractive and reliable automatic door activation.



-H



-HSS



-P

Benefits

- The 104742 Series push plate switches are designed to provide reliable activation of any automatic door.
- Designed as a universal switch, the 104742 Series fit single-gang electrical boxes with no adapters necessary.
- Durable finishes.
- Each unit is built utilizing heavy gauge stainless steel, aircraft quality rivets and screws.
- The most reliable microswitch in the industry.

Features

- The 104742 Series features 4" round face plates in either stainless steel or blue powder coated aluminum with etched and paint-filled legends.
- Includes tamper-resistant screws.
- 4" All Active Face Plate.
- H 4 1/2" Formed Stainless Steel Back Plate.
- A surface mount box is also available. 104738-1025
- Rubber "Bellows" increases weather protection (included).
- Fits single or 2-gang Electrical Box, 104738-1025 Surface Mount Box, or 104753-R4 Mounting Box With Transmitter.

Electrical Options

- Radio Control Versions Available

Accessories

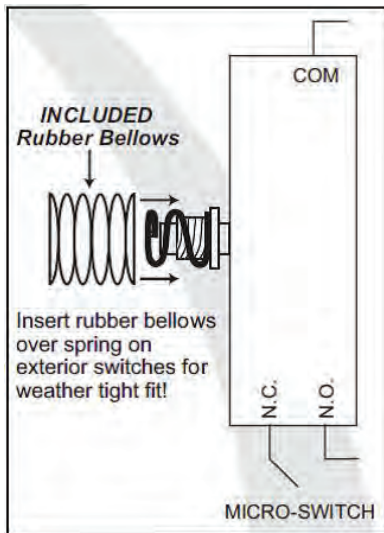
- 104738-1025 mounting box
- 104752 Multi-Mode Receivers
- 104753-R4 Mounting Box with Transmitter
- 104753-STX-R4



Technical Information

- 4" All Active Face Plate
- 4 1/2" Formed Stainless Steel Back Plate
- UL Listed Momentary Switch, SPDT, 15 Amp @ 125V AC
- Rubber "Bellows" increases weather protection (included)

Riser Diagram



Listings and Approvals



American National Standards Institute (ANSI)



Building Hardware Manufacturers Association (BHMA) - ANSI/BHMA A156.10 & A156.19

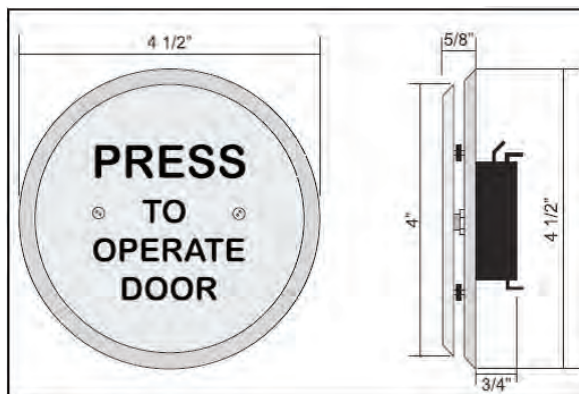


UL Approved Switches

Warranty

1 Year Limited Manufacturer's Warranty

Dimensions



Where Trust is Built™

DETEX®

Life Safety, Security and Security Assurance

Detex Corporation
302 Detex Drive
New Braunfels, Texas 78130-3045 USA

PH. (830) 629-2900

(800) 729-3839

FAX (800) 653-3839

<http://www.detex.com>

USA Sales:

marketing@detex.com

International Sales:

export@detex.com

⚠ Cancer & Reproductive Harm - www.detex.com/prop65

AO19 **SERIES**

AO19 Activation Switches 6" Round Push Plate Switches

The 104743-X switches combine architectural quality finishes with industrial grade components to provide attractive and reliable automatic door activation.



-H



-HSS



-P

Benefits

- The 104743 Series push plate switches are designed to provide reliable activation of any automatic door.
- Designed as a universal switch, the 104743 Series fit single-gang electrical boxes with no adapters necessary.
- Durable finishes.
- Each unit is built utilizing heavy gauge stainless steel, aircraft quality rivets and screws.
- The most reliable microswitch in the industry.

Features

- The 104742 Series features 5 1/2" round face plates in either stainless steel or blue powder coated aluminum with etched and paint-filled legends.
- Includes tamper-resistant screws.
- 5 1/2" All Active Face Plate.
- H 6" Formed Stainless Steel Back Plate.
- A surface mount box is also available. 104738-1030
- Rubber "Bellows" increases weather protection (included).
- Fits single or 2-gang Electrical Box, 104738-1030 Surface Mount Box, or 104753-R6 Mounting Box With Transmitter.

Electrical Options

- Radio Control Versions Available

Accessories

- 104738-1030 mounting box
- 104752-RXM Multi-Mode Receivers
- 104753-R6 Mounting Box with Transmitter
- 104753-STX-R6 Mounting Box with Sequencing Transmitter

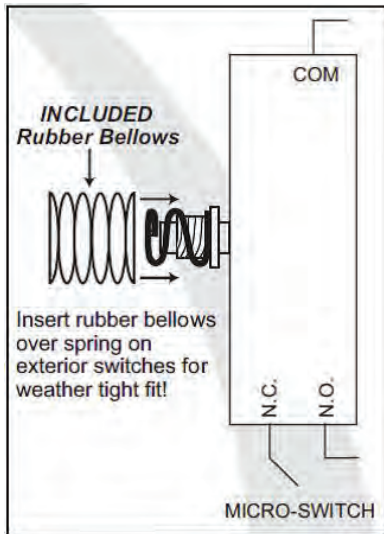


Technical Information

- 5 1/2" All Active Face Plate
- 6" Formed Stainless Steel Back Plate
- UL Listed Momentary Switch, SPDT, 15 Amp @ 125V AC

- Rubber "Bellows" increases weather protection (included)

Riser Diagram



Listings and Approvals



American National Standards Institute (ANSI)



Building Hardware Manufacturers Association (BHMA) - ANSI/BHMA A156.10 & A156.19

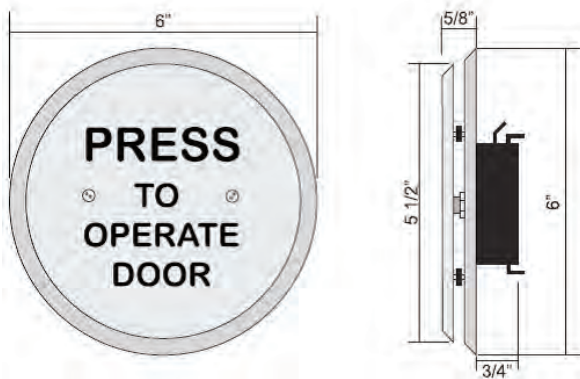


UL Approved Switches

Warranty

1 Year Limited Manufacturer's Warranty

Dimensions



Where Trust is Built™
DETEX®
Life Safety, Security and Security Assurance

Detex Corporation
302 Detex Drive
New Braunfels, Texas 78130-3045 USA
PH. (830) 629-2900
(800) 729-3839
FAX (800) 653-3839
<http://www.detex.com>
USA Sales:
marketing@detex.com
International Sales:
export@detex.com

Cancer & Reproductive Harm - www.detex.com/prop65

AO19 **SERIES**

AO19 Activation Switches 4 1/2" Square Push Plate Switches

The 104755-X switches combine architectural quality finishes with industrial grade components to provide attractive and reliable automatic door activation.



104755



Benefits

- The 104755 Series push plate switches are designed to provide reliable activation of any automatic door.
- Designed as a universal switch, the 104755 Series fit single-gang or 2-gang electrical boxes with no adapters necessary.
- Durable finishes.
- Each unit is built utilizing heavy gauge stainless steel, aircraft quality rivets and screws.
- The most reliable microswitch in the industry.

Features

- The 104755 Series features 4" square face plates in either stainless steel or blue powder coated aluminum with etched and paint-filled legends.
- 4" x 4" All Active Face Plate.
- Rubber "Bellows" increases weather protection (included).
- Includes tamper-resistant screws.
- H 4 1/2" x 4 1/2" Formed Stainless Steel Back Plate.
- Fits single or 2-gang Electrical Box or #104738-1015 Surface Mount Box.
- A surface mount box is also available. 104738-1020

Electrical Options

- Radio Control Versions Available

Accessories

- 104738-1015 mounting box
- 104738-1020 Mounting Box
- 104753 Mounting Box with Transmitter



- 104792 Complete Wireless Button Package



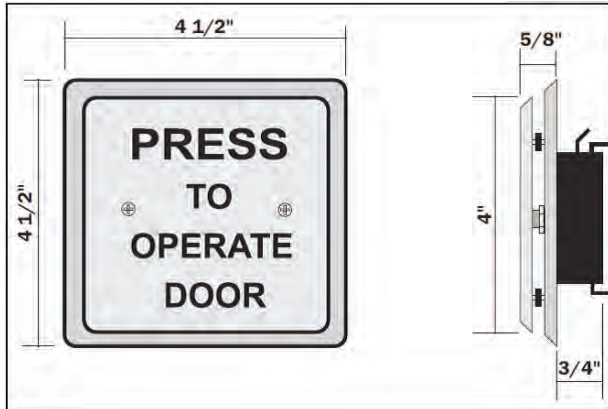
- 104752-RXM Multi-Mode Receivers



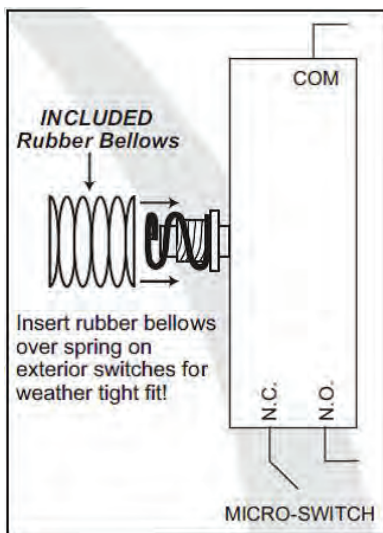
Technical Information

- 4" x 4" All Active Face Plate
- 4 1/2" x 4 1/2" Formed Stainless Steel Back Plate
- UL Listed Momentary Switch, SPDT, 15 Amp @ 125V AC
- Rubber "Bellows" increases weather protection (included)

Dimensions



Riser Diagram



Listings and Approvals



American National Standards Institute (ANSI)




Building Hardware Manufacturers Association (BHMA) - ANSI/BHMA A156.10 & A156.19



UL Approved Switches

Warranty

1 Year Limited Manufacturer's Warranty

 Cancer & Reproductive Harm - www.detex.com/prop65

Where Trust is Built™
DETEX®
Life Safety, Security and Security Assurance

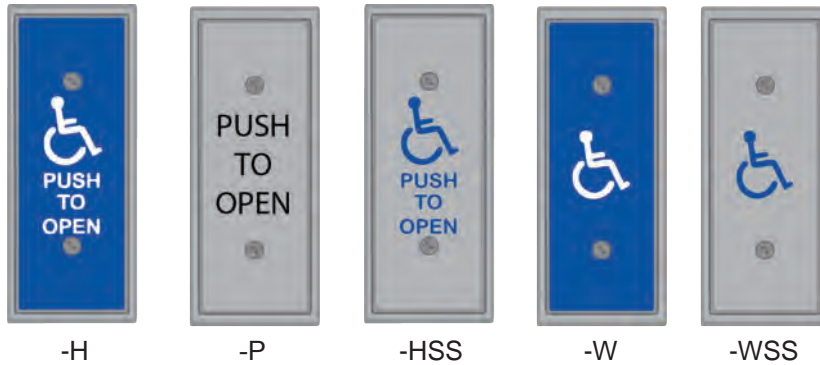
Detex Corporation
302 Detex Drive
New Braunfels, Texas 78130-3045 USA
PH. (830) 629-2900
(800) 729-3839
FAX (800) 653-3839
<http://www.detex.com>
USA Sales:
marketing@detex.com
International Sales:
export@detex.com

AO19 **SERIES**

AO19 Activation Switches

Jamb Mount Push Plate

The 104739-X Jamb Mount switches combine architectural quality finishes with industrial grade components to provide attractive and reliable automatic door activation.



Benefits

- The 104739 Series push plate switches are designed to provide reliable activation of any automatic door.
- Each unit is built utilizing heavy gauge stainless steel, aircraft quality rivets and screws.
- Designed as a universal switch, the 104739 Series fits 1 3/4" Frame or 104738-1010, 104753-J Surface Mount Box with no adapters necessary.
- Durable finishes.
- The most reliable switch in the industry.

Features

- The 104739 Series features 1 1/2" x 4 1/2" face plates in either stainless steel or blue powder coated aluminum with etched and paint-filled legends.
- Includes tamper-resistant screws.
- 1 1/2" x 4 1/2" All Active Face Plate.
- 1 11/16" x 4 1/2" Formed Stainless Steel Back Plate.
- Rubber "Bellows" Increases Weather Protection (included).

Electrical Options

- Radio Control Versions Available

Accessories

- 104738-1010 mounting box
- 104752 CP-RX Receivers
- 104753-STX-J Mounting Box with Transmitter

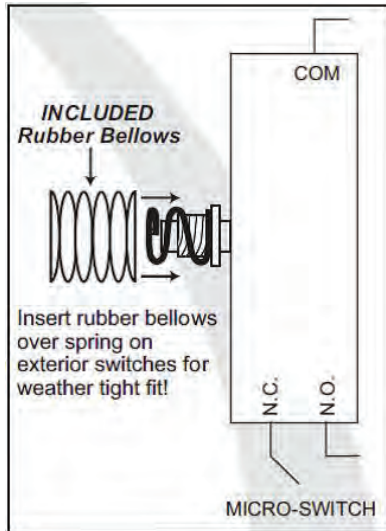


Technical Information

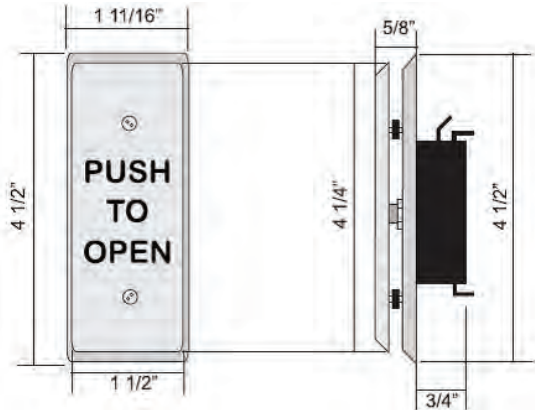
- 1 1/2" x 4 1/2" All Active Face Plate
- 1 11/16" x 4 1/2" Formed Stainless Steel Back Plate
- UL Listed Momentary Switch, SPDT, Mom., 15 Amp @ 125V AC

- Rubber "Bellows" Increases Weather Protection (included)

Riser Diagram



Dimensions



Listings and Approvals



American National Standards Institute (ANSI)




Building Hardware Manufacturers Association (BHMA) - ANSI/BHMA A156.10 & A156.19



UL Approved Switches

Warranty

1 Year Limited Manufacturer's Warranty

 Cancer & Reproductive Harm - www.detex.com/prop65

Where Trust is Built™
DETEX®
Life Safety, Security and Security Assurance

Detex Corporation
302 Detex Drive
New Braunfels, Texas 78130-3045 USA
PH. (830) 629-2900
(800) 729-3839
FAX (800) 653-3839
<http://www.detex.com>
USA Sales:
marketing@detex.com
International Sales:
export@detex.com

AO19 SERIES®

AO19 Activation Switches

Vestibule Push Plate

The 104744-X Vestibule switches combine architectural quality finishes with industrial grade components to provide attractive and reliable automatic door activation.



-H



-P



-HSS

Benefits

- The 104744 Series push plate switches are designed to provide reliable activation of any automatic door.
- Designed as a universal switch, the 104744 Series fits 2-gang Electrical Box or Surface Mount Box 104738-1015, 104753-V with no adapters necessary.
- Durable finishes.
- Each unit is built utilizing heavy gauge stainless steel, aircraft quality rivets and screws.
- The most reliable microswitch in the industry.

Features

- The 104744 Series features 2 1/2" x 4 1/2" face plates in either stainless steel or blue powder coated aluminum with etched and paint filled legends.
- 2 1/2" x 4 1/2" All Active Face Plates
- 4 1/2" x 4 1/2" Formed Stainless Steel Back Plate.
- Includes tamper-resistant screws.
- Rubber "Bellows" increases weather protection (included).

Electrical Options

- Radio Control Versions Available

Accessories

- 104738-1015 mounting box
- 104752 CP-RX Receivers
- 104753-V Mounting Box with Dual Transmitter



Technical Information

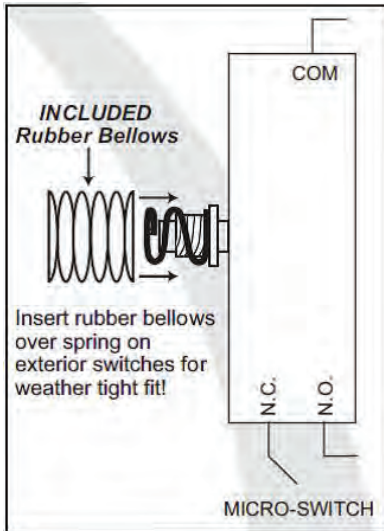
- 2 1/2" x 4 1/2" All Active Face Plate.
- 4 1/2" x 4 1/2" Formed Stainless

Steel Back Plate

- UL Listed Momentary Switch, SPDT, 15 Amp @ 125V AC

- Rubber "Bellows" increases weather protection (included)

Riser Diagram



Listings and Approvals



American National Standards Institute (ANSI)



Building Hardware Manufacturers Association (BHMA) - ANSI/BHMA A156.10 & A156.19

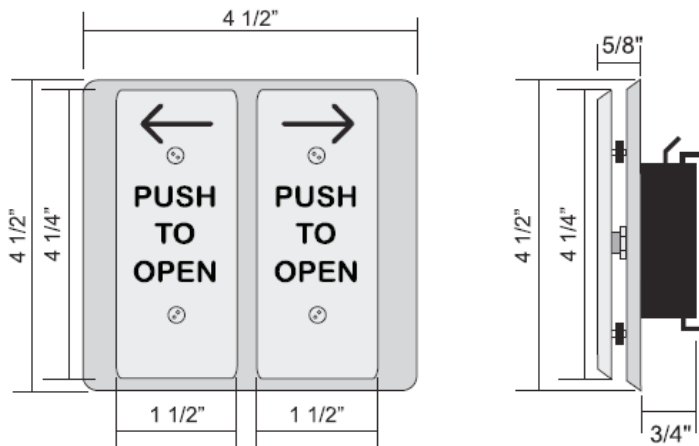


UL Approved Switches

Warranty

1 Year Limited Manufacturer's Warranty

Dimensions



Where Trust is Built™
DETEX®
 Life Safety, Security and Security Assurance

Detex Corporation
 302 Detex Drive
 New Braunfels, Texas 78130-3045 USA
 PH. (830) 629-2900
 (800) 729-3839
 FAX (800) 653-3839
<http://www.detex.com>
 USA Sales:
marketing@detex.com
 International Sales:
export@detex.com

⚠ Cancer & Reproductive Harm - www.detex.com/prop65

AO19 **SERIES**[®]

AO19 Activation Switches

Keyswitch

When used with automatic doors, the 105369 Series keyswitches can be used to turn an operator or any activation device on and off. The 105369 keyswitches are a simple way to provide secure activation of any automatic door.



Benefits

- The 105369 fits Single-gang, 2-gang Electrical Boxes or Surface Mount Box #104738-1015 and #104738-1035.
- The 105369 Series keyswitches are available with a maintained (105369-1) or momentary (105369-2) contact switch.

Features

- The heavy duty switch bracket features a switch activator dead stop which prevents the key cylinder from damaging a single switch.
- Operates with 1 1/8" to 1 1/4" mortise cylinder with Adams-Rite cam (available separately)
- Available in single gang style: 105369-5 maintained, 105369-6 momentary.
- Pluggable wiring harness.
- Available in narrow style: 105369-3 maintained, 105369-4 momentary.

Electrical Options

- Radio Control Versions Available

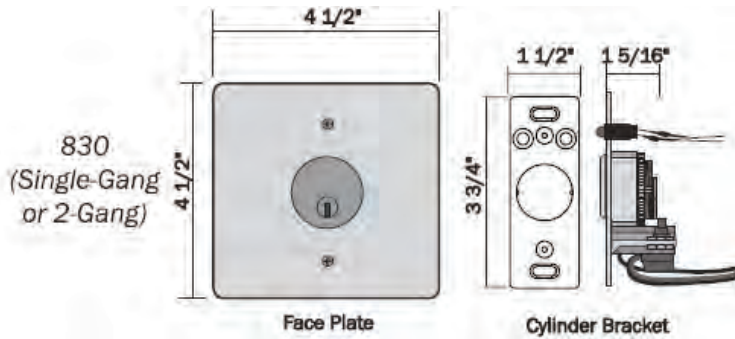
Accessories

- 104738-1015 mounting box
- 104738-1035 2" Deep Mounting Box

Technical Information

- UL Listed Momentary Switch, SPDT, 15 Amp @ 125V AC
- Adjustable mounting holes help “Plumb and Square” keyswitch

Dimensions



Listings and Approvals



American National Standards Institute (ANSI)



Building Hardware Manufacturers Association (BHMA) - ANSI/BHMA A156.10 & A156.19




UL Approved Switches

Warranty

1 Year Limited Manufacturer's Warranty

Where Trust is Built™
DETEX®
Life Safety, Security and Security Assurance

Detex Corporation
302 Detex Drive
New Braunfels, Texas 78130-3045 USA
PH. (830) 629-2900
(800) 729-3839
FAX (800) 653-3839
<http://www.detex.com>
USA Sales:
marketing@detex.com
International Sales:
export@detex.com

 Cancer & Reproductive Harm - www.detex.com/prop65

AO19 **SERIES**[®]

AO19 Activation Accessories

Post

The 105380-X and 105396-X Series Switch Posts are designed to provide a freestanding self-contained door activation device that can be installed at any location.



Benefits

- Attractive and built to withstand the toughest conditions.
- The 105396 Series posts are made of 5" square tubular steel that is 1/8" thick.
- The durable LongLife™ Finish protects against rust and consists of two coats: a zinc rich base coat on all surfaces and an industrial grade exterior powder coat finish.
- The integral plastic cap allows superior wireless signal range.
- An innovative ABS plastic rust shield fits under the mounting shoe to help block the corrosive action of concrete to steel contact.
- Durable Exterior Grade LongLife™ Finish with Rust Shield in Gray or Dark Bronze.

Features

- The 105380 Series Posts come standard with a single switch cutout.
- Microswitch includes Rubber Bellows for added weather protection.
- Interchangeable Surface and Inground Mounting Shoes or External Surface Mounting Foot available.
- The 105396 Series post is available with 2 switch cutouts.
- All versions can be ordered for either hardwired or wireless operation.
- Surface Mount with Internal Shoe.
 - 105380-1: Aluminum Concealed
 - 105380-2: Bronze Concealed
 - 105396-1: Aluminum Concealed
 - 105396-2: Bronze Concealed
- Inground Mount.
 - 105380-3: Aluminum Staked
 - 105380-4: Bronze Staked
- Surface Mount with External Shoe.
 - 105380-5: Aluminum Exposed
 - 105380-6: Bronze Exposed
 - 105396-5: Aluminum Exposed
 - 105396-6: Bronze Exposed

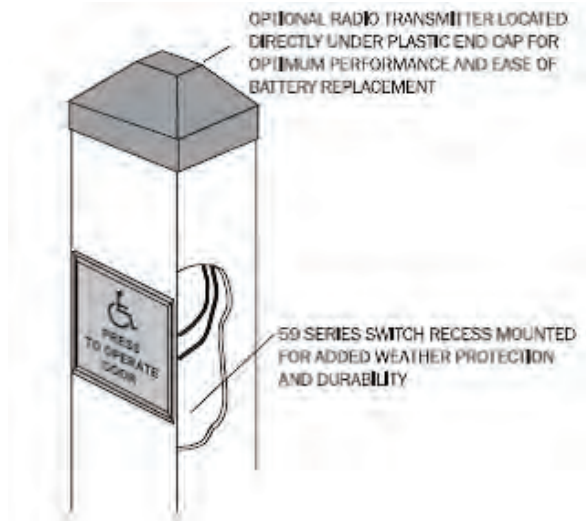
Electrical Options

- 104753-P Post Transmitter
- 104753-STX-P Sequencing Post Transmitter

Technical Information

- Rubber "Bellows" increases weather protection (included)
- Physical Size 5"W x 5"D x 42"H

Riser Diagram



Listings and Approvals

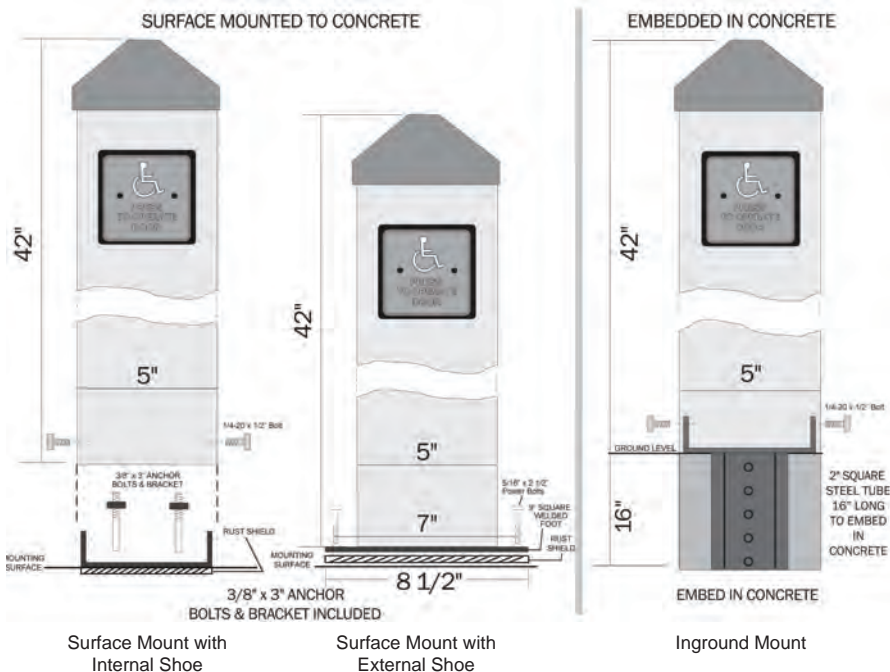


Building Hardware
Manufacturers Association
(BHMA) - ANSI/BHMA
A156.10 & A156.19

Warranty

1 Year Limited Manufacturer's
Warranty

Dimensions



Where Trust is Built™
DETEX®
Life Safety, Security and Security Assurance

Detex Corporation
302 Detex Drive
New Braunfels, Texas 78130-3045 USA
PH. (830) 629-2900
(800) 729-3839
FAX (800) 653-3839
<http://www.detex.com>
USA Sales:
marketing@detex.com
International Sales:
export@detex.com

⚠ Cancer & Reproductive Harm - www.detex.com/prop65

AO19 **SERIES**[®]

AO19 Activation Accessories Hand-Held Wireless Transmitter

The 104737 Wireless Transmitter provides the most reliable wireless activation of automatic doors available.



Benefits

- The hand-held micro-transmitters are small enough to wear as a necklace, yet have large, easy to activate buttons.
- The transmitter can also be used interchangeably with other Manufacturer's products that operate on its frequencies as well.

Features

- Utilizes Proprietary High Definition Radio Control™ (HDRC™) for unsurpassed signal transmission clarity
- Three user selectable frequencies available in single unit: HDRC™, 300 MHz, 390 MHz.
- FCC license for all three frequencies.
- SignalLock™ guarantees signal transmission when push plate is pressed.
- Power saving circuitry extends battery life.
- Integrated signal radiating antenna boosts signal strength.
- One 104737-1 (CP/TX-HH1) and Two 104737-2 (CP/TX-HH2) buttons available.
- Compact overall size with large activation buttons.
- The 104737 CP/TX can transmit three different frequencies.

Electrical Options

- 104737-1 Hand-held Transmitter - 1 button
- 104737-2 Hand-held Transmitter - 2 button

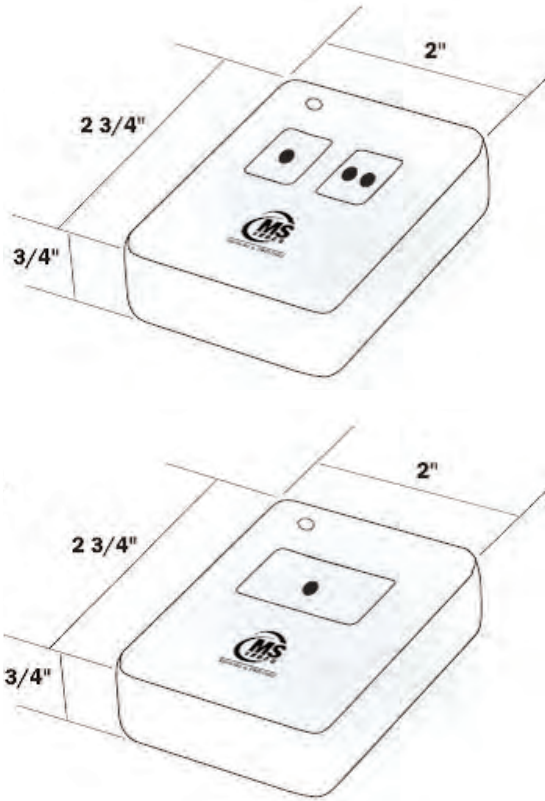
Accessories

- 104752 Multi-mode Receiver
- 104752-RXM Multi-Mode Receiver

Technical Information

- Temperature Range: -4°F to 140°F (-20°C to 60°C)
- 390 MHz: Compatible with MS SEDCO and GENIE™ products
- Physical Size 2"W x 3/4"D x 2 3/4"H
- 300 MHz: Compatible with Multicode™ products

Dimensions



Listings and Approvals



American National Standards Institute (ANSI)



Building Hardware Manufacturers Association (BHMA) - ANSI/BHMA A156.10 & A156.19

FCC


US Patent 7,545,833

Warranty

1 Year Limited Manufacturer's Warranty

Where Trust is Built™
DETEX®
Life Safety, Security and Security Assurance

Detex Corporation
302 Detex Drive
New Braunfels, Texas 78130-3045 USA
PH. (830) 629-2900
(800) 729-3839
FAX (800) 653-3839
<http://www.detex.com>
USA Sales:
marketing@detex.com
International Sales:
export@detex.com

 Cancer & Reproductive Harm - www.detex.com/prop65

AO19 **SERIES**

AO19 Activation Accessories

Transmitters

The 104753 Transmitter provides the most reliable wireless activation of automatic doors available.



104753 - 4" Box/Transmitter



104753-R4 - 4" Round Box/Transmitter
104753-R6 - 6" Round Box/Transmitter



104753-J Jamb Mount Box/Transmitter

Benefits

- The 104753 transmitter comes prewired and installed with battery in a surface mount box, making installation quick and easy.
- The 104753 can also be used interchangeably with other Manufacturer's products that operate on its frequencies as well.
- The 104753 can transmit three different frequencies.

Features

- Utilizes Proprietary High Definition Radio Control™ (HDRC™) for unsurpassed signal transmission clarity.
- Three User selectable frequencies available in single unit: HDRC™, 300 MHz, and 390 MHz.
- FCC License for all three frequencies.
- SignalLock™ guarantees signal transmission when push plate switch is pressed.
- Power saving circuitry extends battery life.
- Radiating antenna boosts signal strength.
- Transmitter and battery factory prewired and installed in mounting boxes.
- Powered by standard 9V battery.
- Quick battery access.

Electrical Options

- 104737-1 Handheld Transmitter - 1 button
- 104737-2 Handheld Transmitter - 2 buttons
- 104753-P Post Transmitter
- 104753-Vestibule Dual Transmitter
- 104753-STX 4" Square Sequencing Transmitter
- 104753-STX-P Sequencing Post Transmitter
- 104753-STX-R4 Round 4" Box/ Sequencing Transmitter
- 104753-STX-R6 Round 6" Box/ Sequencing Transmitter

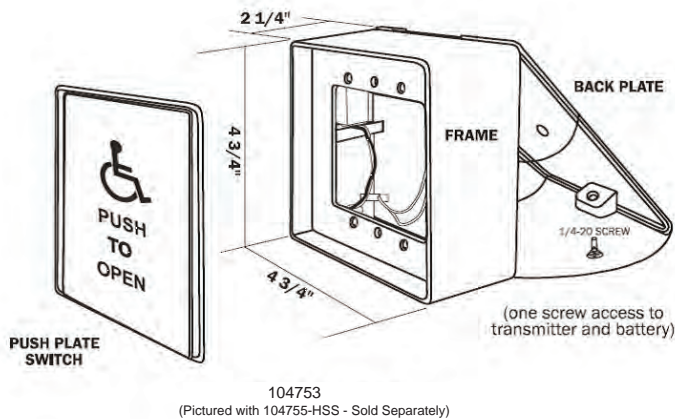
Accessories

- 104752 Multi-Mode Dual Receiver
- 104739 Jamb Mount Push Plate (used with 104753-J Box/Transmitter)
- 104752-RXM Multi-Mode Receiver with RXM
- 104742 4 1/2" Round Push Plate (used with 104753-R4, 104753-STX-R4)
- 104743 6" Round Push Plate (used with 104753-R6, 104753-STX-R6)
- 104744 Vestibule Double Push Plate (used with 104753-V Box/Transmitter)
- 104755 4 1/2" Square Push Plate (used with 104753, 104753-STX)

Technical Information

- Power Requirements: 9V Battery
- Temperature Range -4°F to 140°F (-20°C to 60°C)
- 300 MHz: Compatible with Multicode™ products
- 390 MHz: Compatible with MS SEDCO and GENIE™ products
- Physical Size: 2 1/4"W x 2 1/4"D x 2"H
- Weight: 1.46 lbs. (663g)

Dimensions



Listings and Approvals



Building Hardware
Manufacturers Association
(BHMA) - ANSI/BHMA
A156.10 & A156.19

FCC

US Patent 7,545,833

Warranty

1 Year Limited Manufacturer's
Warranty



Cancer & Reproductive Harm - www.detex.com/prop65

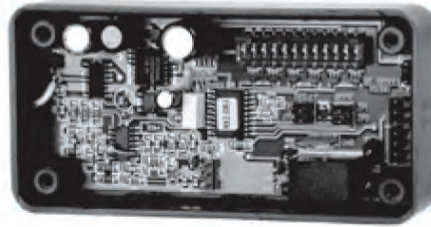
Where Trust is Built™
DETEX®
Life Safety, Security and Security Assurance

Detex Corporation
302 Detex Drive
New Braunfels, Texas 78130-3045 USA
PH. (830) 629-2900
(800) 729-3839
FAX (800) 653-3839
<http://www.detex.com>
USA Sales:
marketing@detex.com
International Sales:
export@detex.com

AO19 **SERIES**[®]

AO19 Activation Accessories Multi-Mode Wireless Receiver

The 104752 Wireless Receiver provides the most reliable wireless activation of automatic doors available.



Benefits

- Utilizes Proprietary High Definition Radio Control™ (HDRC™) for unsurpassed signal transmission clarity.

Features

- The 104752 can also be used interchangeably with other manufacturer's products that operate on its frequencies.
- The 104752 accepts three different frequencies: HDRC, 300MHz, 390MHz.
- 104752 can be easily programmed to become a timer, dual receiver or a sequencing receiver.

Electrical Options

- Mode 1: Standard Receiver (factory setting)
- Mode 2: Receiver with Adjustable Time Delay
- Mode 3*: Dual Channel Receiver
- Mode 4*: Receiver With Sequenced Outputs
- Mode 5**: Receiver with Ratchet Relay

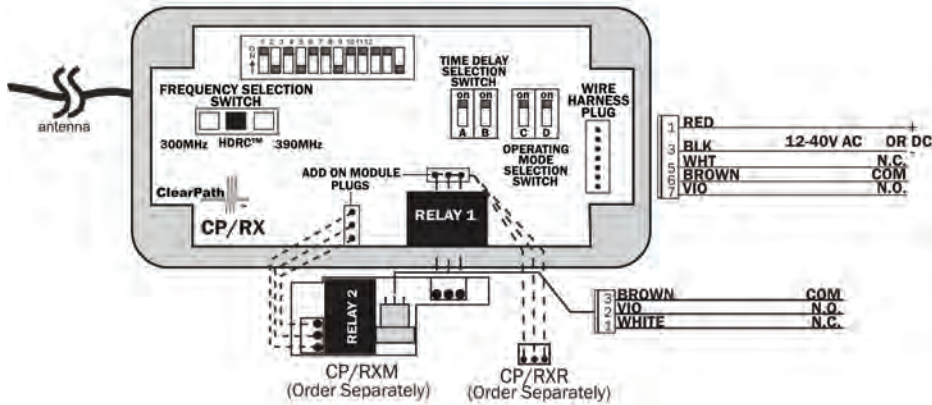
*Modes 3 & 4 require the RXM Add-On Module. This Module plugs directly onto the CP/RX main circuit board and provides a second output.

**Mode 5 requires the RXR Add-On Module. The Module plugs directly onto the CP/RX main circuit board and allows for initial signal to hold relay closed until a second signal is received.

Technical Information

- Power Requirements: 12V to 24V AC or DC
- Temperature Range: -22°F to 158°F (-30°C to 70°C)
- 390 MHz: Compatible with MS SEDCO and GENIE™ products
- Relay Contact Rating: 3 amp @ 24V AC
- Weight: <0.25 lbs.
- 300 MHz: Compatible with Multicode™ products
- Physical size: 4"L x 2"W x 1"H

Dimensions



Listings and Approvals



American National Standards Institute (ANSI)



Building Hardware Manufacturers Association (BHMA) - ANSI/BHMA A156.10 & A156.19

FCC

US Patent 7,545,833

Warranty

1 Year Limited Manufacturer's Warranty

Where Trust is Built™

DETEX®

Life Safety, Security and Security Assurance

Detex Corporation
302 Detex Drive
New Braunfels, Texas 78130-3045 USA

PH. (830) 629-2900

(800) 729-3839

FAX (800) 653-3839

http://www.detex.com

USA Sales:

marketing@detex.com

International Sales:

export@detex.com



Cancer & Reproductive Harm - www.detex.com/prop65

AO19 **SERIES**[®]

AO19 Safety Presence Sensor FRM-AI Presence Sensor

The 104790 sensor is a 4-row presence sensor designed to provide safety protection for all types of automatic doors. The 104790 is based upon the most reliable active infrared (AI) technology available - Floor Reflection Method (FRM).



Benefits

- One sensor covers any safety zone application.
- SafePath Maximum Pattern Infrared (MPI™) sensors use more beams than other manufacturers and provide a level of safety not found in other standalone infrared sensors.
- There is no lens or zone masking required.
- The pattern width and depth are both mechanically adjustable. In addition the depth can be altered electronically from 5 to 2 rows.
- All adjustments are available without the use of proprietary set-up devices.

Features

- Up to 32 detection zones.
- Mount up to 10' (3m) high.
- Mechanical width settings (from 36" to over 7')
- Electronic depth adjustment from 1 to 4 rows (also 0° to 10° tilt settings)
- Quick-connect wiring (harness included)
- Four Presence Timer and frequency settings
- Sensitivity Adjustment Variable (via potentiometer)

Accessories

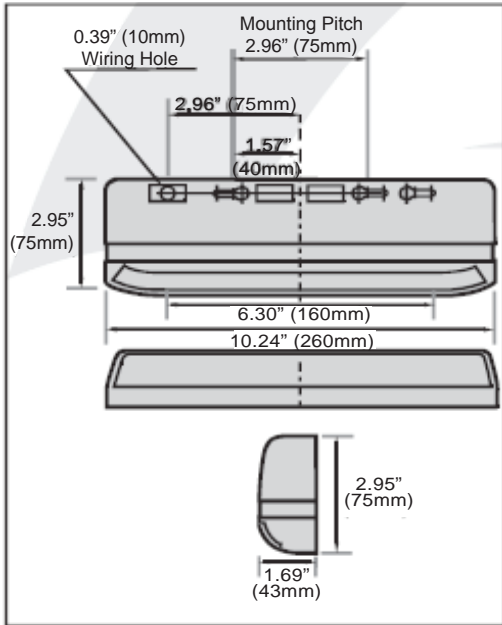
- Cable: 10 ft. (3m)
- Rain cover available (contact factory)

Technical Information

- Temperature Range: -4°F to 140°F (-20°C to 60°C)
- 12V to 24V AC or DC operation
- Weight: approx. 0.8 lbs. (0.35 kg)

- Form C Dry Relay Contact (N.O., COM, N.C.)

Dimensions



Listings and Approvals



American National Standards Institute (ANSI)



Building Hardware Manufacturers Association (BHMA) - ANSI/BHMA A156.10 & A156.19

Enclosure Rating IP54 (IEC60529)


CE

Warranty

1 Year Limited Manufacturer's Warranty

Where Trust is Built™
DETEX®
Life Safety, Security and Security Assurance

Detex Corporation
302 Detex Drive
New Braunfels, Texas 78130-3045 USA
PH. (830) 629-2900
(800) 729-3839
FAX (800) 653-3839
<http://www.detex.com>
USA Sales:
marketing@detex.com
International Sales:
export@detex.com

 Cancer & Reproductive Harm - www.detex.com/prop65

AO19 **SERIES**

AO19 Safety Presence Sensor Swing Door Mounted Presence Sensor

The Detex 105395 is a door-mounted presence sensor designed to provide safety protection for any swing, bi-fold, revolving and low-energy automatic doors.



Benefits

- The presence sensor mounts on either side or both sides of a door panel, depending upon the application.
- On swing doors, while the door is opening, the presence sensor will sense and protect a person in its path and either slow or stop the door.
- When the door is closing, the presence sensor will sense a person in its path and reopen the door.
- The presence sensor combines the most reliable active infrared technology available with Position Sensitive Detection (PSD) technology found in auto-focus cameras to ensure the precise pedestrian detection within the path of a moving door panel.
- The detection area width can be increased by inserting additional PSD sensor modules into the 34 1/2" long extruded aluminum housing.
- The presence sensor mounts near the top of the door panel out of harm's way. PSD sensor technology automatically focuses the sensor lenses to dipswitch-controlled height settings.
- Each sensor module's detection zone can be adjusted independently.

Features

- Detection Method: Active Infrared with Position Sensitive Detection (PSD)
- Max. Installation Height: 8'6" (2.6m)
- Detection Range: 0'-7'10" (0-2.4m)
- Range Adjustment: 4'7" (1.4m), 5'3" (1.6m), 5'11" (1.8m), 6'7" (2.0m), 7'3" (2.2m), 7'10" (2.4m)
- Presence Timer: Infinity
- Beam Angle Adjustment: 5°, 10°, 15°, 20°, 25°
- Power Supply: 12-24 VAC or VDC ± 10%

Accessories

- The 105395-1 contains a single PSD sensor module and is ideal for low-energy doors.

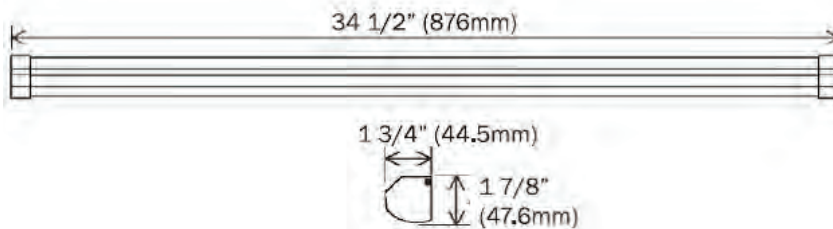
Technical Information

- Power Consumption (per sensor module): AC12V-1.1VA, DC12V-60mA, AC24V-1.6VA, DC24V-35mA
- Weight: 1.8 lbs. (0.8kg)
- Output contact: Form C Relay; DC50V 0.1A Non Voltage 1C
- Temperature Range: -4°F to 140°F (-20°C to 60°C)
- Response time: <50ms
- Delay Hold Time: 0.5, 1, 2, 4.5 sec

Riser Diagram



Dimensions



Listings and Approvals




American National Standards Institute (ANSI)



Building Hardware Manufacturers Association (BHMA) - ANSI/BHMA A156.10 & A156.19, A156.27

Warranty

1 Year Limited Manufacturer's Warranty

 Cancer & Reproductive Harm - www.detex.com/prop65

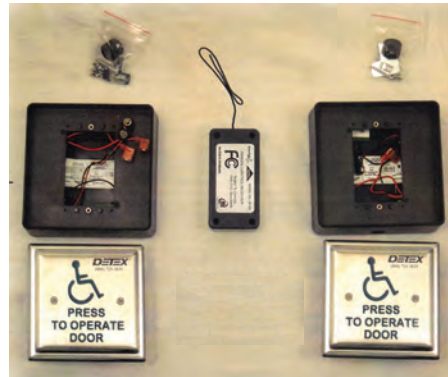
Where Trust is Built™
DETEX®
Life Safety, Security and Security Assurance

Detex Corporation
302 Detex Drive
New Braunfels, Texas 78130-3045 USA
PH. (830) 629-2900
(800) 729-3839
FAX (800) 653-3839
<http://www.detex.com>
USA Sales:
marketing@detex.com
International Sales:
export@detex.com

AO19 SERIES®

AO19 Complete Wireless Activation Package 59 Series 4 1/2" Square Push Plate Switches

The 104792 ClearPath Turnkey Radio Control Packages contain switches, transmitters, surface-mounting boxes, and receivers for common low energy automatic openings.



Benefits

- The 104755 Series push plate switches are designed to provide reliable activation of any automatic door
- Utilizes Proprietary High Definition Radio Control™ (HDRC™) For Unsurpassed Signal Transmission Clarity
- The CP/RX and CP/TX can also be used interchangeably with other manufacturer's products that operate on its frequencies
- Durable finishes.
- Each unit is built utilizing heavy gauge stainless steel, aircraft quality rivets and screws
- The most reliable microswitch in the industry
- The CP/RX and CP/TX accepts three different frequencies. HDRC, 300MHz, 390MHz
- CP/RX can be easily programmed to become a timer, dual receiver or a sequencing receiver
- Two piece mounting boxes are designed to make installation and battery replacement quick and easy for wireless applications
- The CP/TX transmitter comes prewired and installed with 9V battery in a surface mount box
- Utilizes Proprietary High Definition Radio control™ (HDRC™) For Unsurpassed Signal Transmission Clarity
- Three User Selectable Frequencies Available In Single Unit: HDRC™, 300 MHz, 390 MHz
- FCC License For All Three Frequencies
- SignalLock™ Guarantees Signal Transmission When Push Plate Switch Is Pressed
- Power Saving Circuitry Extends Battery Life
- Integrated Signal Radiating Antenna Boosts Signal Strength

Features

- The 104792 package features (2) 4" square face plates in stainless steel. (104755)
- Includes tamper-resistant screws
- 4" x 4" All Active Face Plate
- H 4 1/2" x 4 1/2" Formed Stainless Steel Back Plate
- Rubber "Bellows" Increases Weather Protection (included)
- Includes Surface Mount Box with Standard Transmitter. (104753)
- Includes Standard receiver. (104752)

Electrical Options

- The 104792 package features (2) 4" square face plates in stainless steel.(104755)
- Includes tamper-resistant screws.
- 4" x 4" All Active Face Plate.
- H 4 1/2" x 4 1/2" Formed Stainless Steel Back Plate.
- Rubber "Bellows" Increases Weather Protection (included).
- Includes Surface Mount Box with Standard Transmitter. (104753)
- Includes Standard receiver. (104752)

Accessories

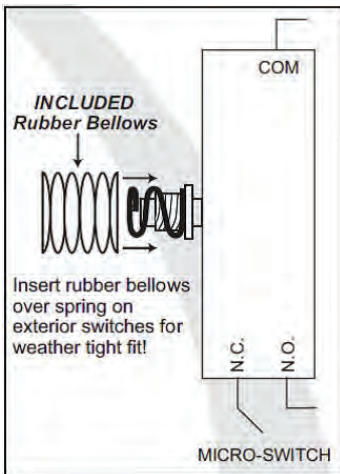
- 104753 Mounting Box with Transmitter



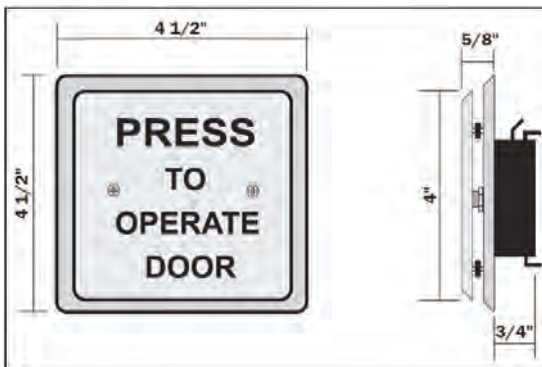
Technical Information

- 4" x 4" All Active Face Plate
- 4 1/2" x 4 1/2" Formed Stainless Steel Back Plate
- UL Listed Momentary Switch, SPDT, 15 Amp @ 125V AC
- Output Contact: Form C, Rated At 3 Amps
- Power Requirements: 12V-24V AC or DC
- Relay Contact Rating: 3 amp @ 24V AC
- Temperature Range: -4°F to 40°F (-20°C to 60°C)
- 300 MHz: Compatible with Multicode™ products
- 390 MHz: Compatible with MS SEDCO and GENIE™ products
- Weight: <0.25 lbs.
- Physical Size 4"L x 2"W x 1"H
- Power Requirements: 9V Battery
- Relay Contact Rating: 3 amp @ 24V AC
- Temperature Range: -4°F to 40°F (-20°C to 60°C)
- 300 MHz: Compatible with Multicode™ products
- 390 MHz: Compatible with MS SEDCO and GENIE™ products
- Physical Size 2 1/4"W x 2 1/4"D x 2"H
- Weight: 1.46 lbs. (663g)

Riser Diagram



Dimensions



Listings and Approvals



American National Standards Institute (ANSI)
Building Hardware Manufacturers Association (BHMA) - ANSI/BHMA A156.10 & A156.19



UL Approved Switches



Warranty

1 Year Limited Manufacturer's Warranty



Cancer & Reproductive Harm - www.detex.com/prop65

Where Trust is Built™
DETEX®
Life Safety, Security and Security Assurance

Detex Corporation
302 Detex Drive
New Braunfels, Texas 78130-3045 USA
PH. (830) 629-2900
(800) 729-3839
FAX (800) 653-3839
<http://www.detex.com>
USA Sales:
marketing@detex.com
International Sales:
export@detex.com

AO19 **SERIES**

AO19 Activation Switches Keyswitch Push Plate Combination

The CS-4730 Series heavy-duty keyswitches are used to momentarily activate low-voltage electrical devices or turn them on/off. They are commonly used to turn an operator or any activation device on and off and provide for secure activation of an automatic door.



Benefits

- The CS-4730 Series push plate switches are designed to provide reliable activation of any automatic door.
- Rubber bellows included for push plate switch for weather protection.
- Wiring is made simple with a pluggable wiring harness.
- The CS-4730 Series fit 2-gang electrical boxes with no adapters necessary.
- The keyswitch and push plate switch can be set up to work independently, or the cylinder can be used as an economical way to secure the push plate switch in after-hours applications.

Features

- The CS-4730 combo switches feature a key cylinder along with a 104739 faceplate.
- Operates with 1 1/8"-1 1/4" mortise cylinder with Adams-Rite cam.
- Includes tamper-resistant screws.

Electrical Options

- Radio Control Versions Available

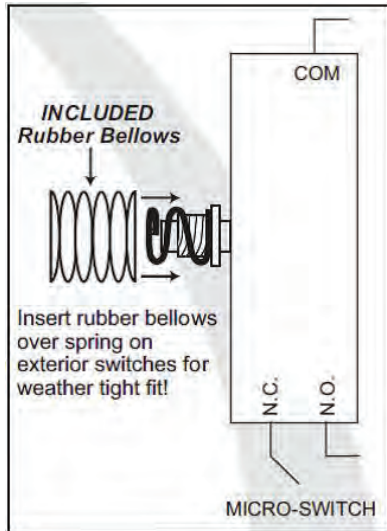
Accessories

- 104739-HSS Push Plate
- 104739-H Push Plate
- Fits 2-gang Electrical Box or 104738-1015 Surface Mount Box
- 104739-WSS Push Plate

Technical Information

- 4" x 4" All Active Face Plate
- 4 1/2" x 4 1/2" Formed Stainless Steel Back Plate.
- UL Listed Momentary Switch, SPDT, 15 Amp @ 125V AC
- Rubber "Bellows" increases weather protection (included)

Riser Diagram



Listings and Approvals



American National Standards Institute (ANSI)



Building Hardware Manufacturers Association (BHMA) - ANSI/BHMA A156.10 & A156.19

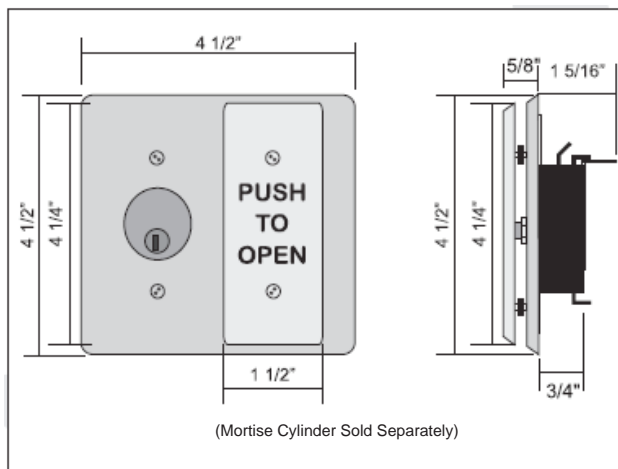


UL Approved Switches

Warranty

1 Year Limited Manufacturer's Warranty

Dimensions



Where Trust is Built™

DETEX®

Life Safety, Security and Security Assurance

Detex Corporation
 302 Detex Drive
 New Braunfels, Texas 78130-3045 USA
 PH. (830) 629-2900
 (800) 729-3839
 FAX (800) 653-3839
<http://www.detex.com>
 USA Sales:
marketing@detex.com
 International Sales:
export@detex.com

⚠ Cancer & Reproductive Harm - www.detex.com/prop65