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AC-20 Multi Point Actuator

Pull-to-open Paddle

- **Single or multi-point actuation capability**
- **Compatible with a wide range of rotary latches**
- **Environmentally sealed**

Material and Finish

Housing: Glass-filled nylon, black

Paddle: Zinc alloy, black powder coated or chrome plated

Installation Notes

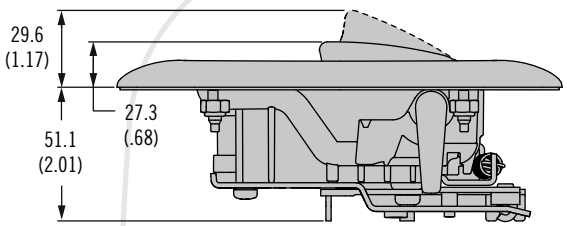
Maximum tightening torque on supplied mounting nuts 3 N·m (27 in·lbf)

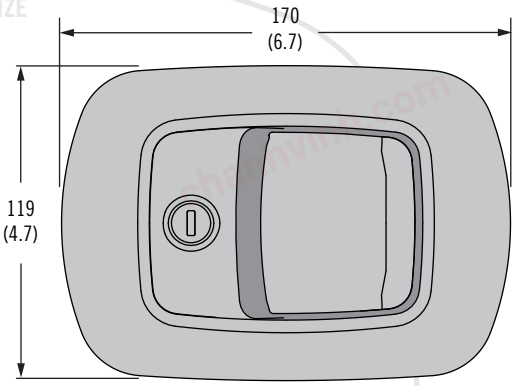
Notes

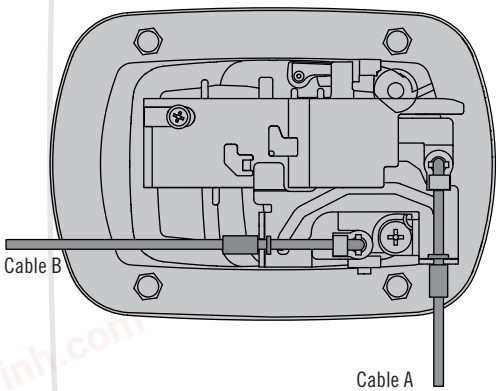
For lock core selection and a complete overview of the *SOUTHCO*® Key-Choice System see page 190

Can be configured with 1 or 2 cables.
See Cable Selection Tool on Southco.com

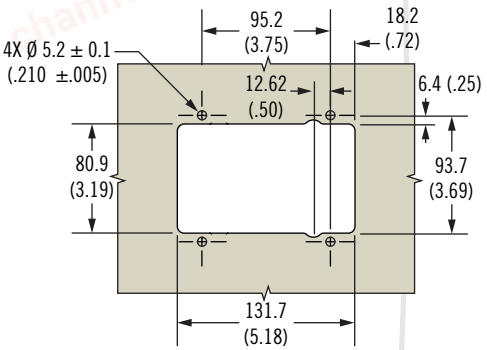
ACTUAL SIZE







Panel Preparation



Maximum Door Thickness - 8 (.32)

Part Number

See table

PP Paddle Finish
- **30** Chrome, polished
- **50** Black powder coated

AC - 20 - 3 L 1 - PP - KC

L Locking Options
- **0** Non-locking
- **1** Reversible Key (No Keys - R001)
- **2** Reversible Key (2 Keys included - R001)
- **3** Reversible Key (Keyed differently - 2 keys included)
- **4** Standard Key (No keys - CH751)
- **5** Standard Key (2 Keys included - CH751)
- **6** Standard Key (Keyed differently - 2 keys included)
- **9** No Lock Plug installed (See notes for more information)

KC Key Codes
(Omit for Locking Options 1, 2, 4, 5 and 9)
- ***KD10** Keyed Differently (Only used if L =3 or 6)
- ***MK10** Master Keyed Differently (Only used if L =6)

*Supplied in multiples of 10 with 10 different key codes.

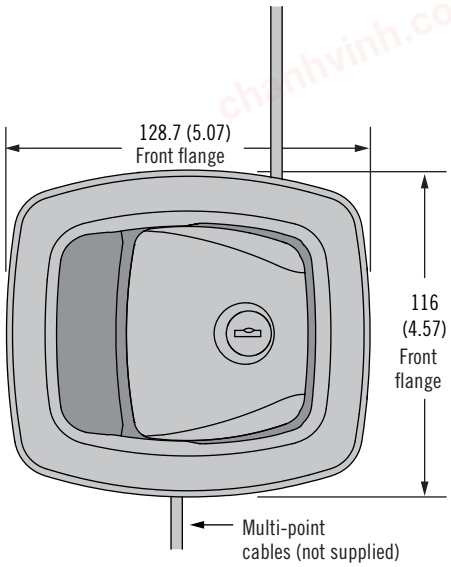
Dimensions in millimeters (inch) unless otherwise stated

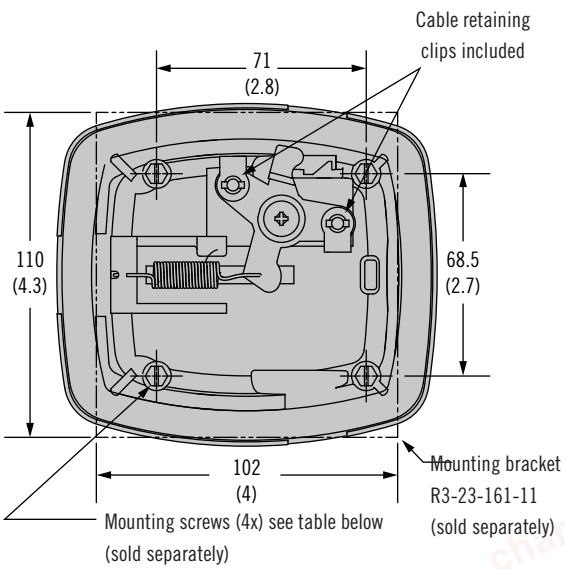
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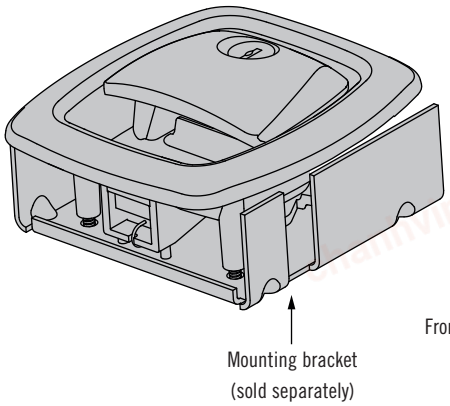
R3-22 Multi Point Actuator

Pull-to-open Paddle

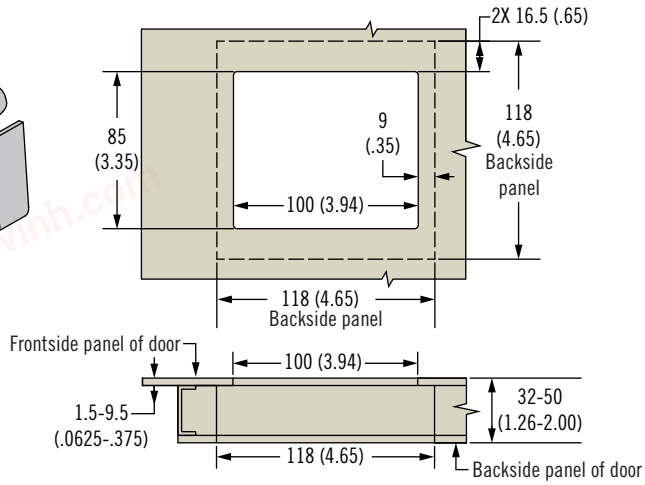








Panel Preparation



- **Single or multi-point actuation capability**
- **Compatible with a wide range of rotary latches**
- **Environmentally sealed**

Material and Finish

Latch assembly: Zinc alloy, black or white powder coated or chrome plated.
Mounting bracket: Steel, zinc plated

Installation Notes

Maximum tightening torque on mounting screws:
2.8 N·m (25 in·lbf)

Notes

For lock core selection and a complete overview of the *SOUTHCO®* Key-Choice System see page 190

Can be configured with 1 or 2 cables.
See Cable Selection Tool on Southco.com
Cable mounting brackets sold separately. (See page 323)

Part Number

Order latch, bracket and mounting screws separately

For latch see table

For mounting bracket, order part number R3-23-161-11

See table for mounting screws

R3 - 22 - 3 [L] 0 - [F] 0

[L] Locking Options
- **0** Non-locking
- **1** Reversible Key (No keys - R001)
- **2** Reversible Key (2 keys included - R001)
- **4** Standard Key (No keys - CH751)
- **5** Standard Key (2 Keys included - CH751)
- **9** No lock plug installed (see notes for more information)

[F] Finish
- **1** Polished chrome
- **5** Black powder coated
- **7** White powder coated

Screws for Mounting Bracket Part Number R3-23-161-11	
Front Door Thickness	**No. 8 Self Tapping Screw (order 4 per latch)**
1.5 (.062) - 4.8 (.187)	R3-23-250-01
4.8 (.187) - 9.5 (.375)	R3-23-250-02

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AC-10 Actuator

Large handle · Flush mount

- Rear mount installation
- Flush mounting style
- Single, multi-point or direct pull actuation capability
- Multiple key code options
- Non-Locking option
- Electronic lock/unlock option

Material and Finish

Housing, handle, rotating linkage: glass-filled nylon, black

Threaded stud and cable bracket retainers: steel, zinc nickel

Housing and handle gaskets: adhesive backed foam, black

Installation Notes

Mounting nut (M6 x 1) not supplied. Installation torque of mounting nuts not to exceed 7 N·m (62 in·lbf)

Notes

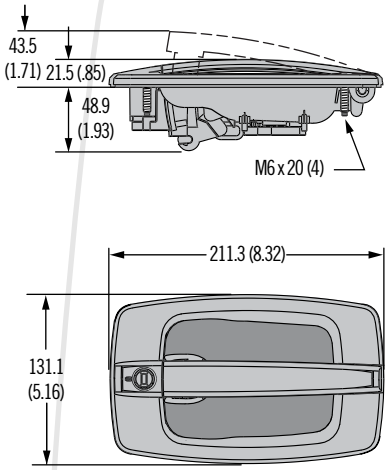
For cable configuration, see Cable Selection Tool on Southco.com.

Electronic Actuator Operating Information

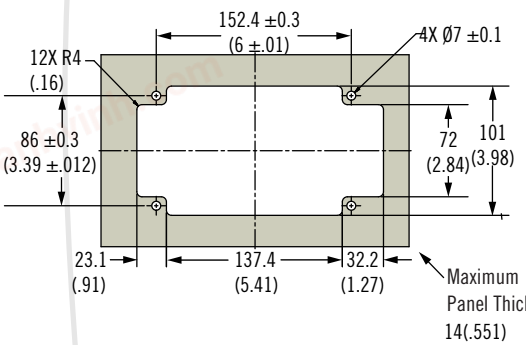
Voltage: 12 V ±1.2 V

Current: 2.5 A - 3 A

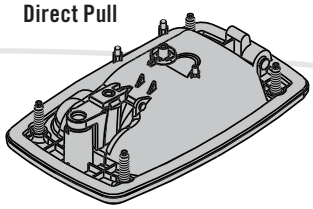
Pulse Duration: 225 ms ±25 ms



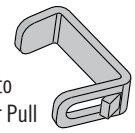
Panel Preparation



Direct Pull

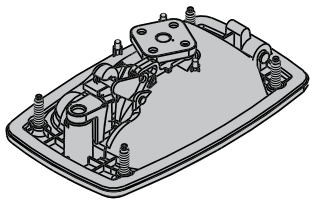


- Recommended to use with Trigger Pull



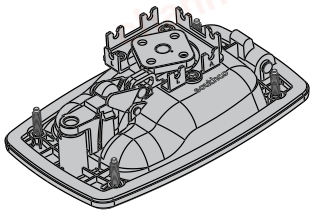
Part Number	
Trigger Pull	R4-0-51292

Multi-Point Without Cable Bracket



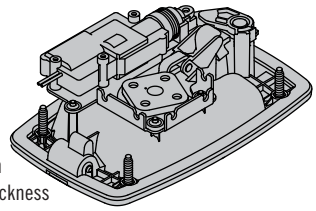
- Recommended to use with Rods

Multi-Point With Cable Bracket



- Recommended for use with Cables.

Multi-Point With Cable Bracket and Lock/Unlock Electronic Actuator



- Recommended for use with Cables.

Part Number Selection

Notes:

For use with Rods / Cables. Recommended Snap-in Retainer for Rotator Plate: Southco Part Number R4-0-43922.

For lock core selection, detailed key information and a complete overview of the *SOUTHCO*® Key-Choice System see PK Lock Cores section.

For unique key code options, please contact customer service.

AC - 10 - S L 1 - 11 - KC

S Actuation Style

1	Single Point, Direct Pull
2	Multi-Point, without Cable Bracket
3	Multi-Point, with Cable Bracket
EM-3	Multi-Point with Cable Bracket and Electronic Lock/Unlock (Do not use Locking Option 0)

L Locking Options

0	Non-Locking (Do not use Actuation Style EM-3)
1	Reversible key (No keys - R001)
2	Reversible key (2 keys included - R001)
3	Reversible key (keyed differently - 2 keys included)
4	Standard key (No keys - CH751)
5	Standard key (2 keys included - CH751)
6	Standard key (keyed differently - 2 keys included)
7	Reversible Key (2 keys included - 14603)
9	No Lock Plug installed (See notes for more information)

KC Key Codes

(Omit for Locking Options 0, 1, 2, 4, 5 and 9)

*__KD10__ Keyed Differently (Only used if L =3 or 6)

*__MK10__ Master Keyed Differently (Only used if L =6)

*Supplied in multiples of 10 with 10 different key codes.

*Eliminate 10 for AC-10-EM version (Use KD and MK only)

Dimensions in millimeters (inch) unless otherwise stated

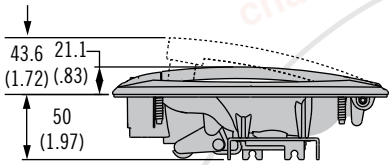
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AC-11 Actuator

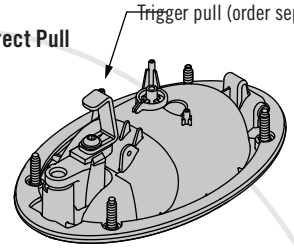
Large Handle · Flush Mount



- Rear mount installation
- Flush mounting style
- Single, multi-point or direct pull actuation
- Multiple key code options
- Non-locking option
- Electronic lock/unlock option



Direct Pull

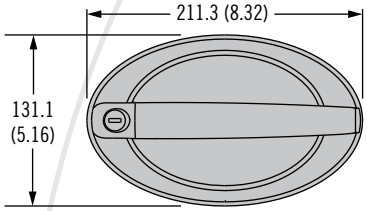


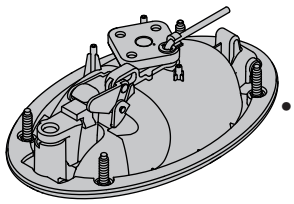


- Recommended to use with Trigger Pull

Part Number	
Trigger Pull	R4-0-51292

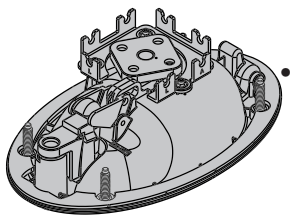
Multi-Point Without Cable Bracket





- Recommended to use with Rods

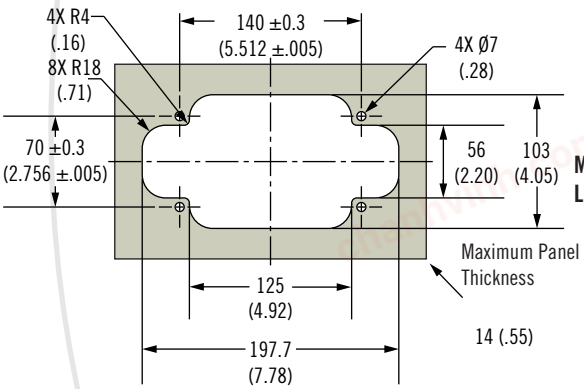
Multi-Point With Cable Bracket



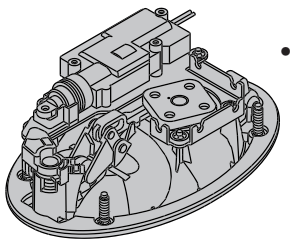
- Recommended for use with Cables

ACTUAL SIZE

Panel Preparation



Multi-Point With Cable Bracket and Lock/Unlock Electronic Actuator



- Recommended for use with Cables to lock/unlock version

Material and Finish

Housing, handle, linkage: glass-filled nylon, black

Threaded stud and cable bracket retainers: steel, zinc nickel plated

Housing and handle gaskets: Adhesive backed foam, black

Installation Notes

Mounting nut (M6 x 1) not supplied. Installation torque of mounting nuts not to exceed 7 N·m (62 in·lbf)

Notes

For cable configuration, see Cable Selection Tool on Southco.com.

Part Number Selection

S Actuation Style

1	Single Point, Direct Pull
2	Multi-Point, without Cable Bracket
3	Multi-Point, with Cable Bracket
EM-3	Multi-Point with Cable Bracket and Electronic Lock/Unlock

AC - 11 - S L 1 - 11 - KC

L Locking Options

0	Non-Locking
1	Reversible key (No keys - R001)
2	Reversible key (2 keys included - R001)
3	Reversible key (keyed differently - 2 keys included)
4	Standard key (No keys - CH751)
5	Standard key (2 keys included - CH751)
6	Standard key (keyed differently - 2 keys included)
7	Reversible Key (2 keys included - 14603)
9	No Lock Plug installed (See notes for more information)

KC Key Codes

(Omit for Locking Options 0, 1, 2, 4, 5 and 9)

*KD10	Keyed Differently (Only used if L =3 or 6)
*MK10	Master Keyed Differently (Only used if L =6)

*Supplied in multiples of 10 with 10 different key codes.
*Eliminate 10 for AC-11-EM version (Use KD and MK only).

Part Number Selection Notes:

For use with Rods / Cables, recommended Snap-in Retainer for Rotator Plate: Southco Part Number R4-0-43922. See Trade Drawing J-R4-0-43922 for more details and options.

For lock core selection, detailed key information and a complete overview of the *SOUTHCO*® Key-Choice System see PK Lock Cores section.

For unique key code options, please contact customer service.

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AC-15 Actuator

Large Handle · Surface Mount

- **Rear mount installation**
- **Surface mounting style**
- **Direct pull actuation**
- **Multiple key code options**
- **Non-locking option**

Material and Finish

Housing, handle, linkage: glass-filled reinforced nylon, black

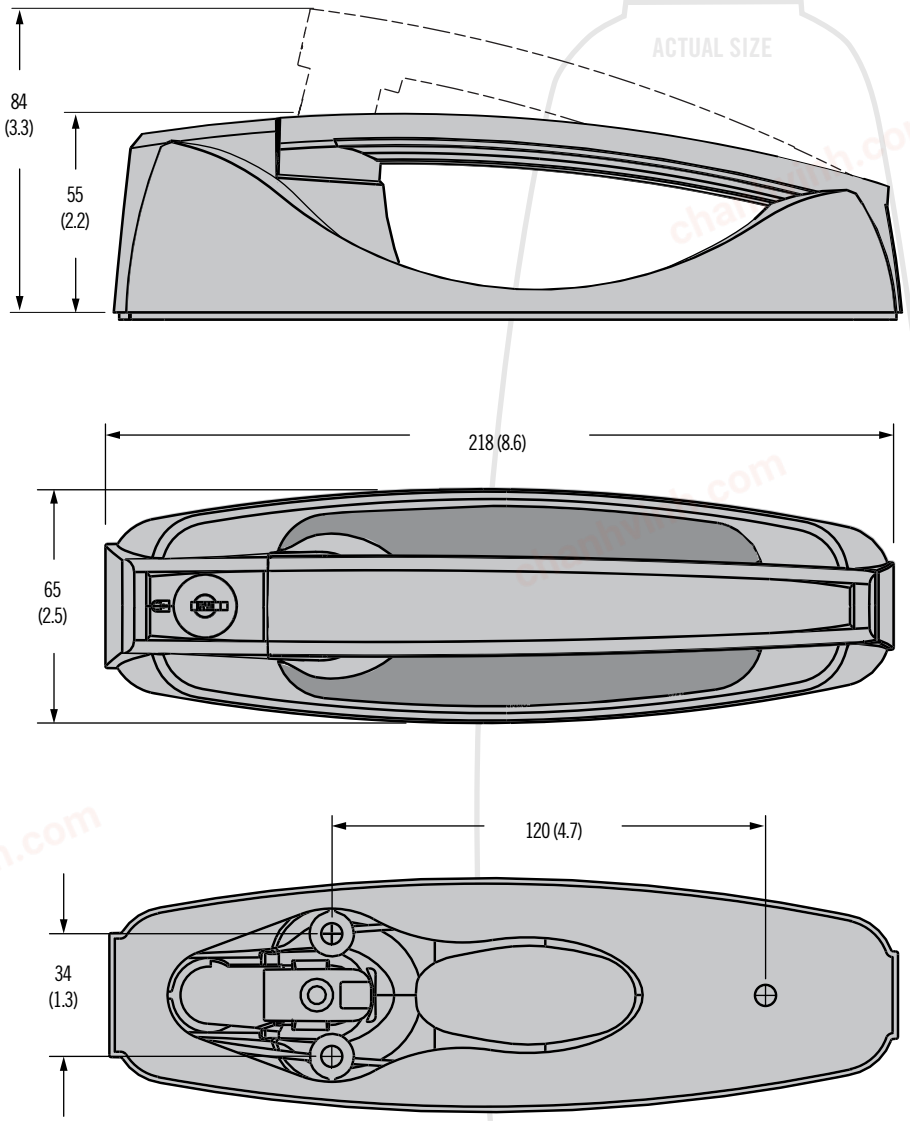
Threaded inserts: brass, natural

Housing and handle gaskets: adhesive backed foam, black

Installation Notes

Mounting hardware (M6 x 1) not supplied. Recommended screw length=panel thickness + 10.0 (.39)

Installation torque of mounting nuts not to exceed 7 N·m (62 in-lbf)



Part Number Selection

Notes:

For lock core selection, detailed key information and a complete overview of the *SOUTHCO*® Key-Choice System see PK Lock Cores section.

For unique key code options, Please contact Southco.

AC - 15 - 1 [L] 1 - 11 - [KC]

[L] Locking Options

- **0** Non-Locking
- **1** Reversible key (No keys - R001)
- **2** Reversible key (2 keys included - R001)
- **3** Reversible key (keyed differently - 2 keys included)
- **4** Standard key (No keys - CH751)
- **5** Standard key (2 keys included - CH751)
- **6** Standard key (keyed differently - 2 keys included)
- **9** No Lock Plug installed (See notes for more information)

[KC] Key Codes

(Omit for Locking Options 0, 1, 2, 4, 5 and 9)

- ***KD10** Keyed Differently (Only used if [L] =3 or 6)
- ***MK10** Master Keyed Differently (Only used if [L] =6)

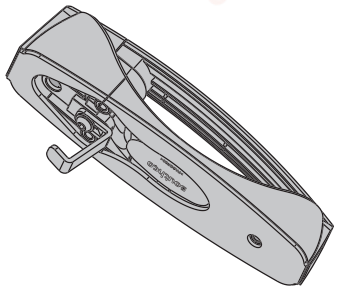
*Supplied in multiples of 10 with 10 different key codes

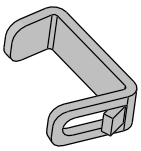
Dimensions in millimeters (inch) unless otherwise stated

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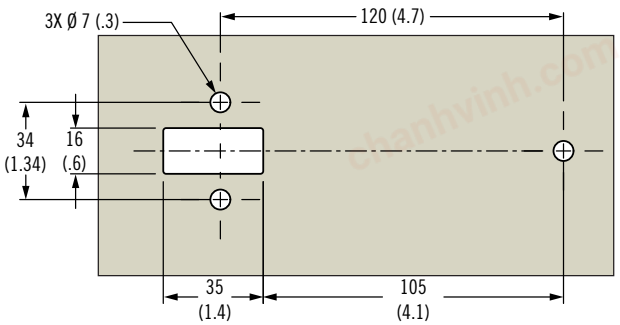
Trigger Pull



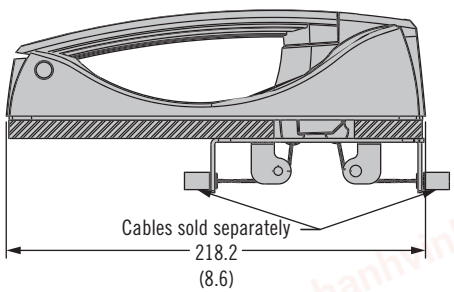


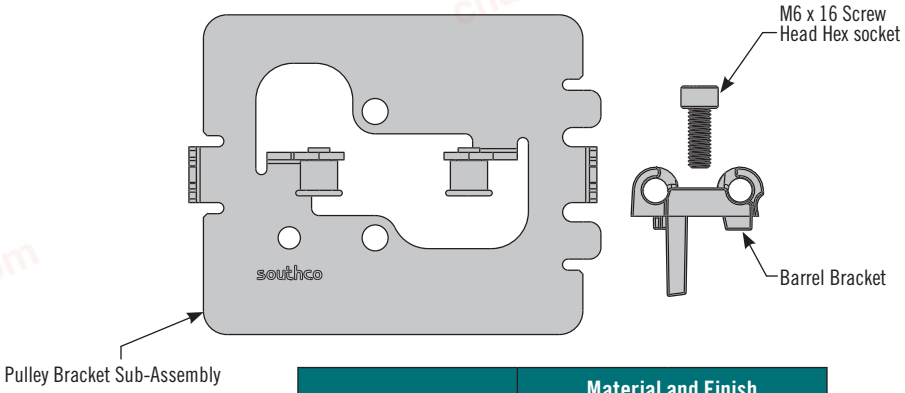
Part Number	
Trigger Pull	R4-0-51292

Panel Preparation



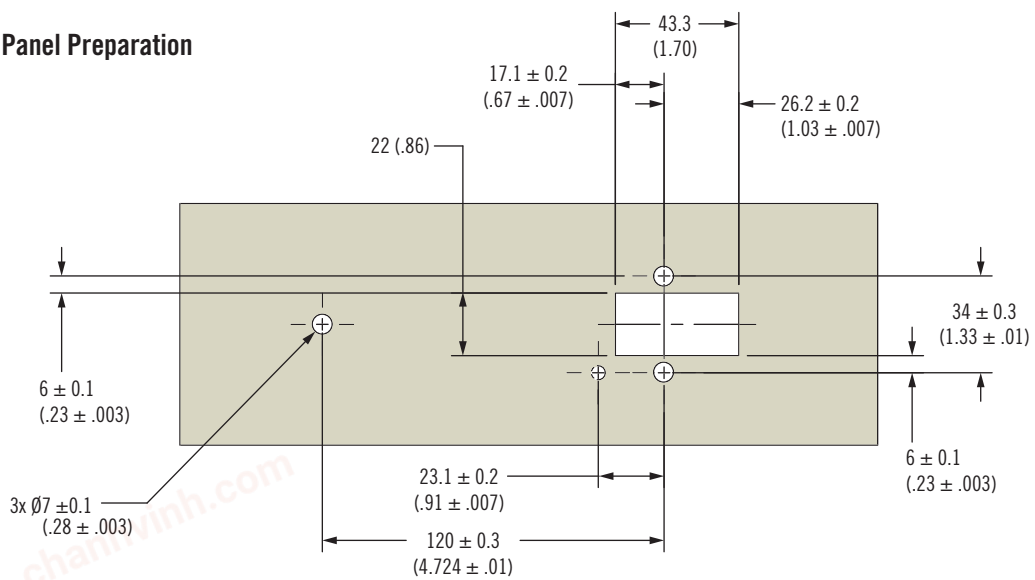
Cable Pull





	Material and Finish	
Cable Pull Kit Part Number	Pulley Bracket	Barrel Bracket
AC-15-901-79	Steel, galvanized	Aluminum die cast

Panel Preparation



Dimensions in millimeters (inch) unless otherwise stated

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AC-30 Multi Point Actuator

Push-Button

- **Single or multi-point actuation capability**
- **Accommodates wide panel thickness**
- **Multiple key code options**
- **Single hole install**

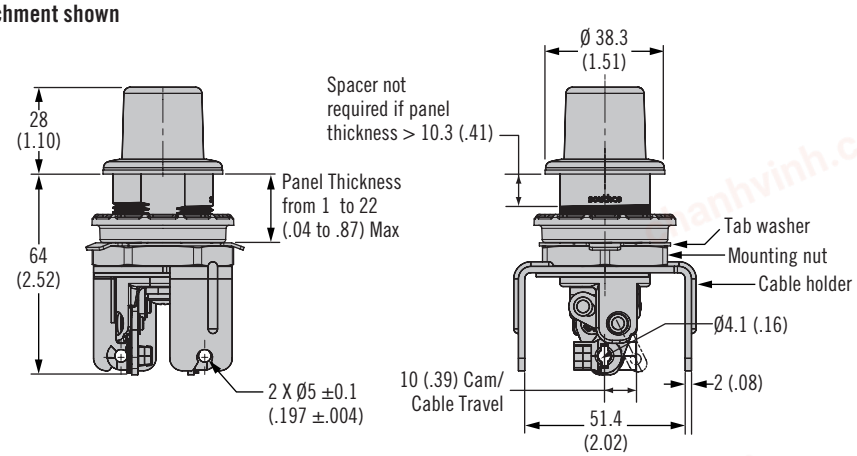
Material and Finish

Button: Nylon
Housing: Zinc or Stainless steel
Lock Plug: Zinc
Cam, Washer, Rivet:
Stainless steel, passivated

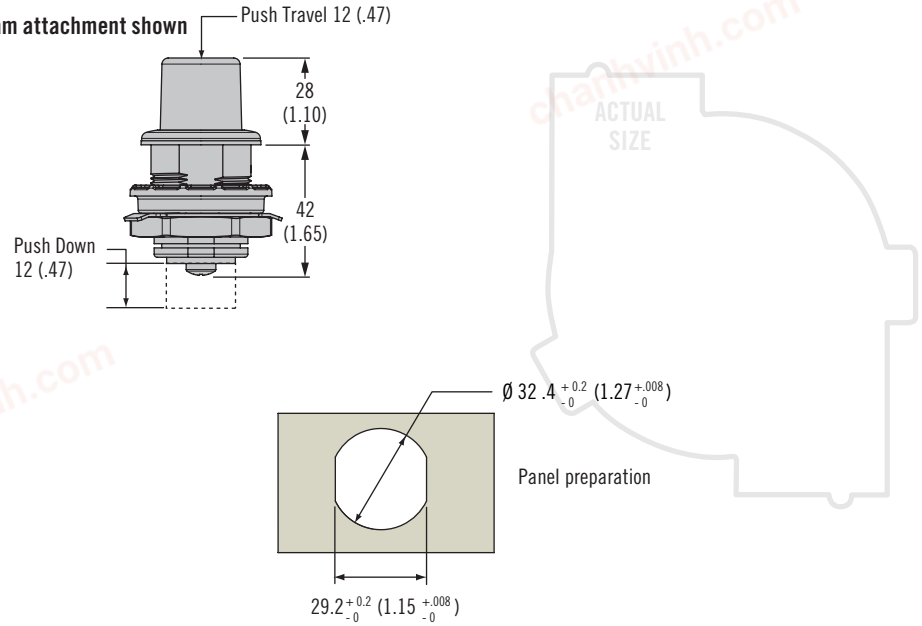
Notes

For cable configuration, see Cable Selection Tool on Southco.com

With cam attachment shown



Without cam attachment shown



Part Number Selection

E End Style
1 With Cam attached
3 Without Cam attachment

H Housing Material
1 Zinc alloy with black powder coat
3 Stainless steel with black powder coat

B Button Material
1 Nylon, black

AC - 30 - E L M - H B - KC

L Locking Option
0 Non-locking
1 Reversible key (No keys - R001)
2 Reversible key (2 keys included - R001)
3ł Reversible key (Multiple key codes - 2 keys included)
4 Standard key (No keys - CH751)
5 Standard key (2 keys included - CH751)
6ł Standard key (Multiple key codes - 2 keys included)
7 14603 Key code option
9 No lock plug installed

K Key Codes
(Omit for locking options 1,2,4 and 5)
KD10 Keyed differently (10 codes)
MK10 Master keyed, keyed differently (Only used if L = 6)

M Mounting Method
1 With spacer mounting (must have if glass panel)
2 Without spacer mounting

ł Require KC key codes extension

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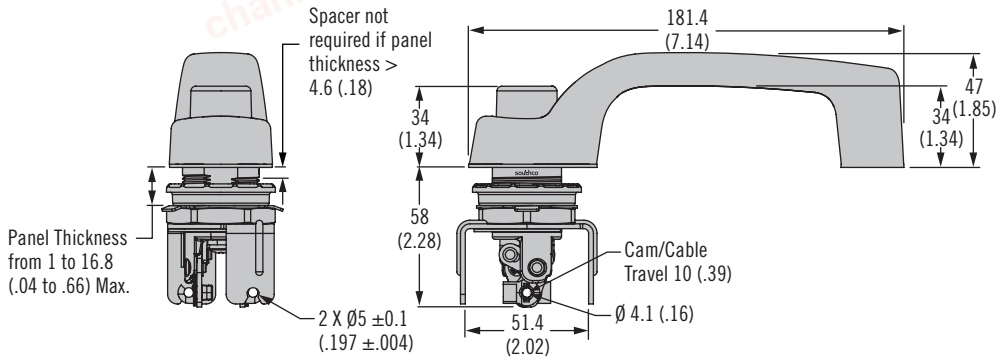
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AC-40 Multi Point Actuator

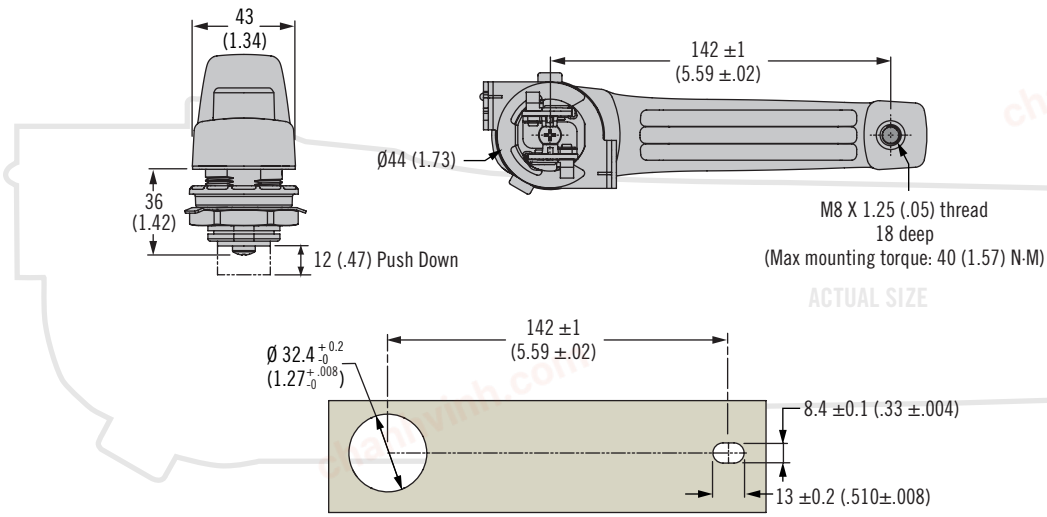
Push-Button Handle



With cam attachment shown



Without cam attachment shown



- **Single or multi-point actuation capability**
- **Accommodates wide panel thickness**
- **Multiple key code options**
- **Easy Grip**

Material and Finish

Button: Nylon
Housing: Zinc Alloy or Stainless steel
Lock plug: Zinc Alloy
Cam, Washer, Rivet: Stainless steel, passivated

Notes

For cable configuration, see Cable Selection Tool on Southco.com

Part Number Selection

E **End Style**
1 With Cam attached
3 Without Cam attachment (Mounting method 1 or 2 only)

H **Handle Material**
1 Black GF nylon with zinc housing insert
2 Black GF nylon with stainless steel housing insert

B **Button Material**
1 Nylon, black

AC - 40 - E L M - H B - KC

L **Locking Option**
0 Non-locking
1 Reversible key (No keys - R001)
2 Reversible key (2 keys included - R001)
3ł Reversible key (Multiple key codes - 2 keys included)
4 Standard key (No keys - CH751)
5 Standard key (2 keys included - CH751)
6ł Standard key (Multiple key codes - 2 keys included)
7 14603 Key code option
9 No lock plug installed

K **Key Codes**
(Omit for locking options 1,2,4 and 5)
KD10 Keyed differently (10 codes)
MK10 Master keyed, keyed differently (Only used if L = 6)

M **Mounting Method**
1 Cable parallel (or no cable), with spacer mounting (must have if glass panel)
2 Cable parallel (or no cable), without spacer mounting
3* Cable cross with spacer mounting (must have if glass panel)
4* Cable cross without spacer mounting *For end style 1 only

ł Require KC key codes extension

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AC Single Point Actuator

T-handle

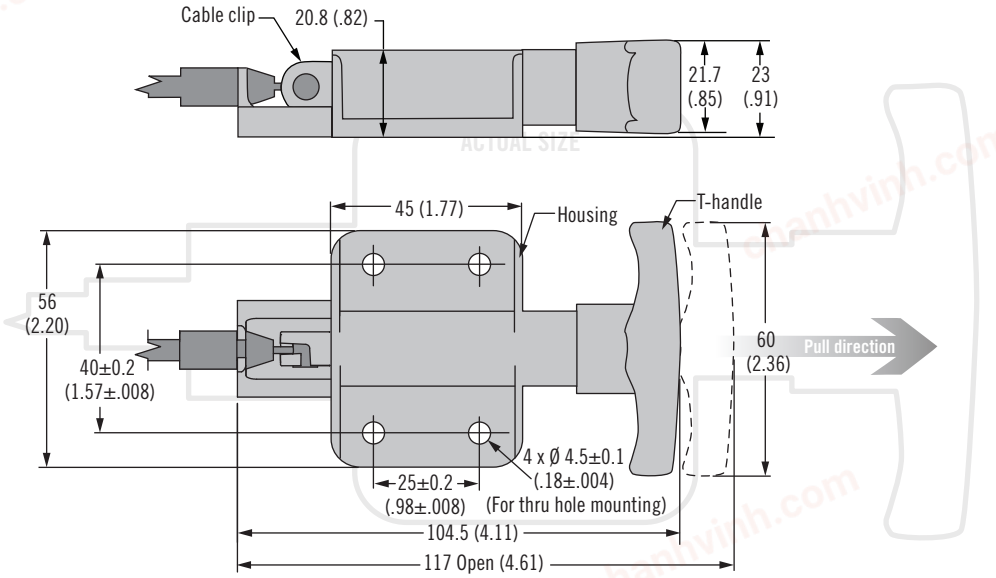
- **Surface mount installation**
- **Generous grip area**
- **Pull to activate**

Material and Finish

Housing: PC/ABS, black
T-handle and slide: Glass-filled nylon, black
Clip: Acetal, black
Spring: Stainless steel, passivated

Notes

For cable configuration, see Cable Selection Tool on Southco.com



Part Number
AC-60-101-11

www.southco.com/AC



AC Single Point Actuator

Plastic paddle and housing

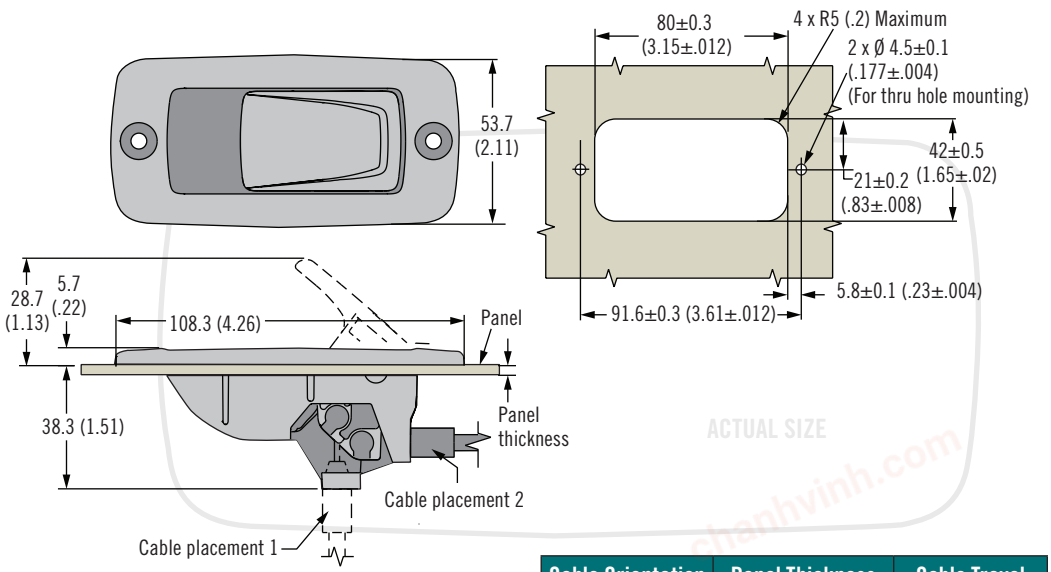
- **Front mount installation**
- **Flush**
- **Two cable mounting options**

Material and Finish

Paddle and housing: Glass-filled nylon, black
Spring: Stainless steel, passivated

Notes

For cable configuration, see Cable Selection Tool on Southco.com



Part Number
AC-70-101-11

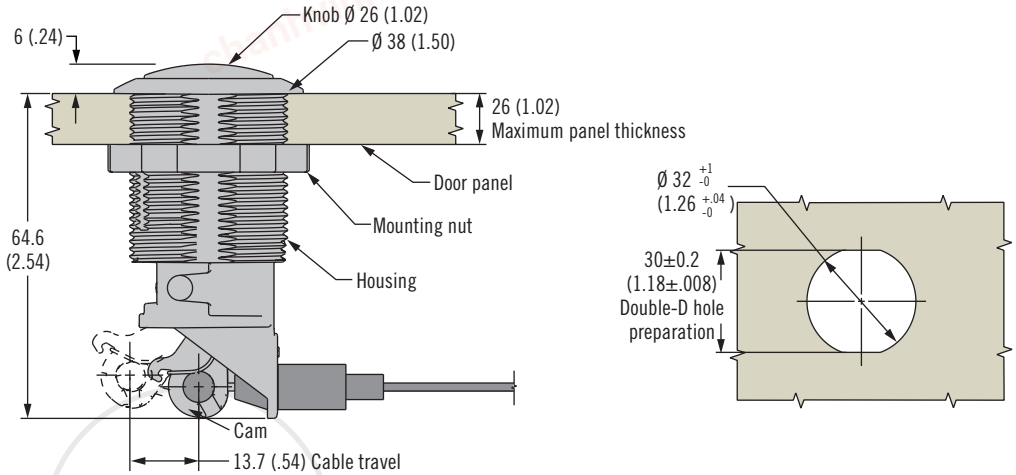
Cable Orientation	Panel Thickness	Cable Travel
Placement 1	12.5 (.49) maximum	11.1 (.44)
Placement 2	16 (.63) maximum	13.2 (.52)

Dimensions in millimeters (inch) unless otherwise stated

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AC Single Point Actuator
Push-button





- **Flush**
- **Mounting hardware included**

Material and Finish

Push button and housing:
PC/ABS, black
Cam: Glass-filled nylon, black
Spring: Stainless steel, passivated

Notes

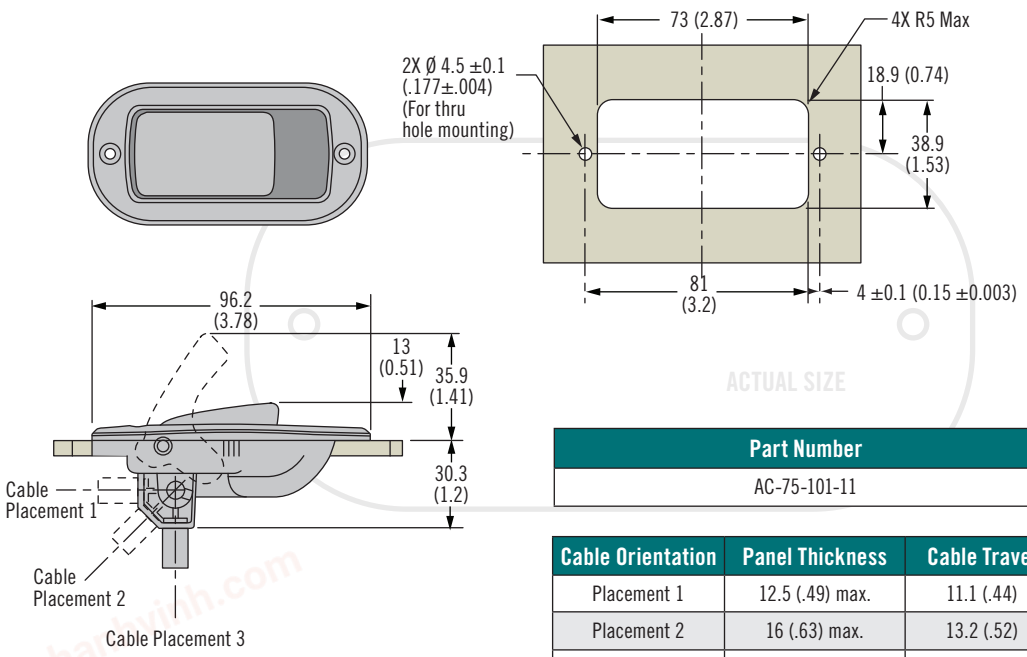
For cable configuration, see Cable Selection Tool on Southco.com

Part Number
AC-80-101-11

www.southco.com/AC

AC Single Point Actuator
Aluminum paddle and housing





- **Front mount installation**
- **Three cable mounting options**
- **Low profile**
- **Robust material**

Material and Finish

Paddle and housing:
Aluminum, black powder coated

Notes

For cable configuration, see Cable Selection Tool on Southco.com

Part Number
AC-75-101-11

Part Number

See table

Cable Orientation	Panel Thickness	Cable Travel
Placement 1	12.5 (.49) max.	11.1 (.44)
Placement 2	16 (.63) max.	13.2 (.52)
Placement 3	16 (.63) max.	13.2 (.52)

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AC-50 Single and Multi Point Actuator

Squeeze handle

- **Single or multi point actuation options**
- **Accommodates tubular construction or rounded mounting surfaces**

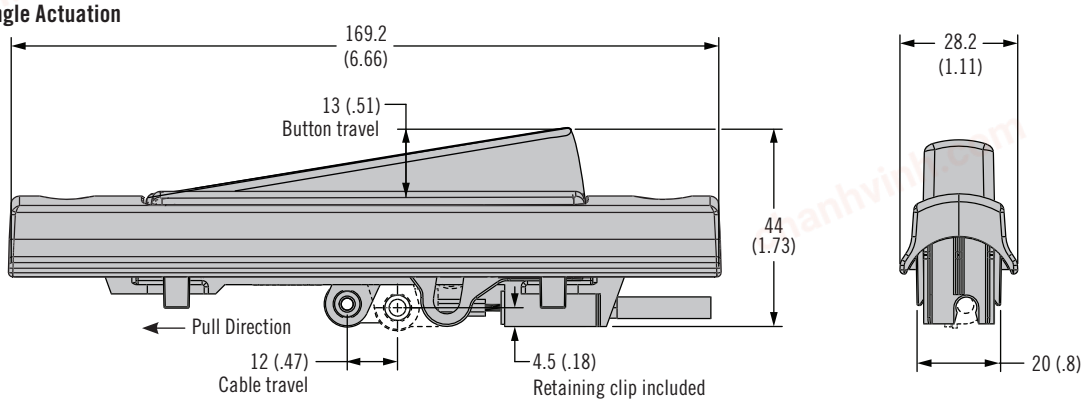
Material and Finish

Cover, button, housing: Glass-filled nylon, black
Lever: Steel, zinc plate or die cast aluminum, nickel finish

Installation Notes

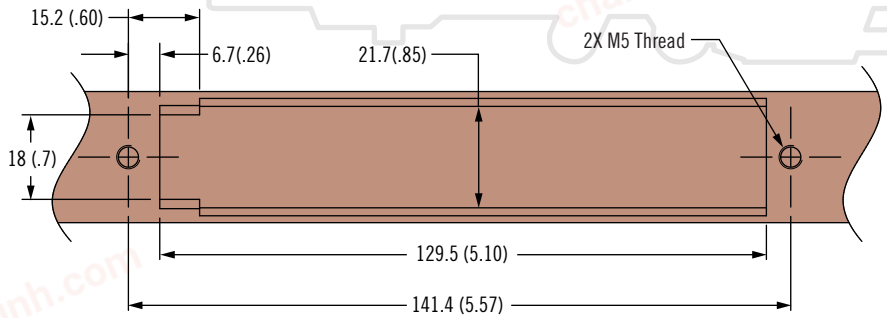
- Install tube minimum diameter of 26.8 mm (1.06 inches)
- Installation torque of screws not to exceed 2 N-m maximum (Countersunk screws or rivets recommended)

Single Actuation

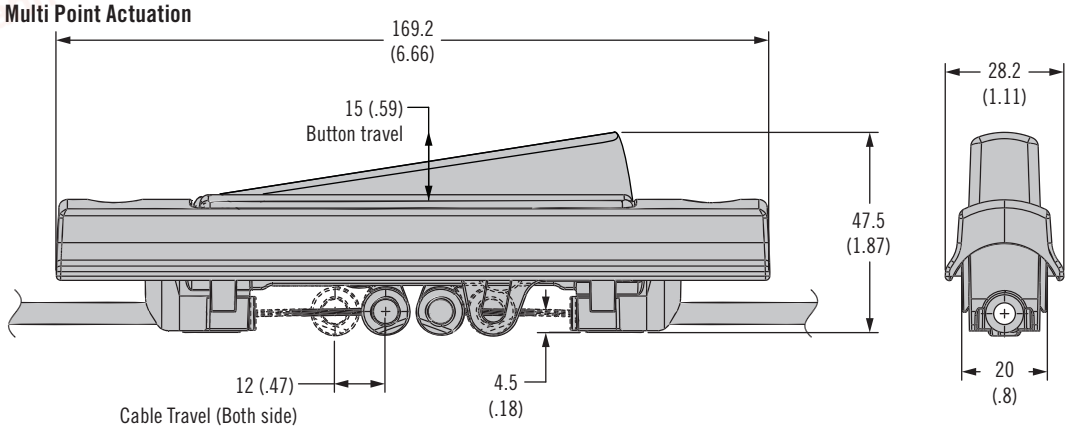


Part Number
AC-50-101-11

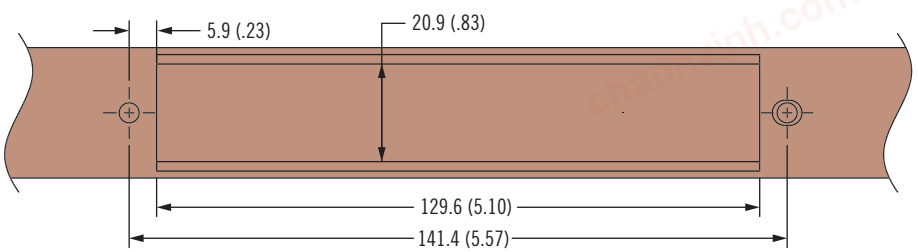
Panel Preparation



Multi Point Actuation



Part Number
AC-50-301-11



Dimensions in millimeters (inch) unless otherwise stated

ACTUAL SIZE

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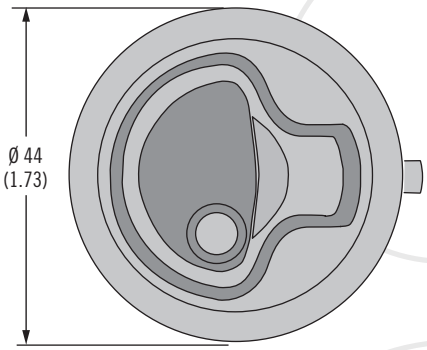
AC Single Point Actuators

Stainless Steel · M1 Style Actuator



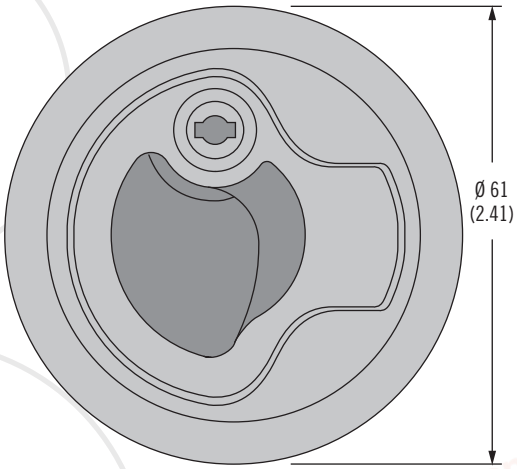
38mm (1.5”)

Shown actual size



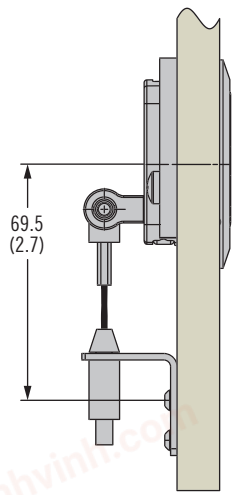
50mm (2”)

Shown actual size



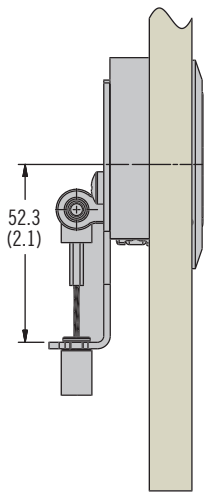
Size	Actuator Assembly	Actuator Part Number	Door Thickness	Panel Mounted Cable Bracket (sold separately)	Actuator Mounted Cable Bracket Kit (sold separately)
38mm (1.5)	Locking (2 keys supplied)	AC-M1-15-41-8	9 mm	R4-0-50253-1	N/A
			12 mm	R4-0-50253-2	N/A
	Non-Locking	AC-M1-15-61-8	9 mm	R4-0-50253-1	N/A
			12 mm	R4-0-50253-2	N/A
50mm (2)	Locking (2 keys supplied)	AC-M1-42-8	9 mm	R4-0-50253-1	AC-M1-901-8
		AC-M1-43-8	12 mm	R4-0-50253-2	AC-M1-901-8
	Non-Locking	AC-M1-62-8	9 mm	R4-0-50253-1	AC-M1-901-8
		AC-M1-63-8	12 mm	R4-0-50253-2	AC-M1-901-8
	Key-Locking keyed alike S008	AC-M1-72-8	9 mm	R4-0-50253-1	AC-M1-901-8
		AC-M1-73-8	12 mm	R4-0-50253-2	AC-M1-901-8

System with Panel Mounted Cable Bracket.
See page 323



Cable type 7 shown

System with Actuator Mounted Cable Bracket Kit P/N AC-M1-901-8 (50 mm size only)



Cable type 9 shown

- **Single, round-hole installation**
- **Locking style restricts access**
- **Premium finish and corrosion resistance**

Material and Finish

Latch: 316 grade stainless steel, bright polished
Spacer: Nylon, black
Contact Southco for other finishes

Accessories - 38mm (1.5”)

Spacer: M1-510-96-1
Mounting screws: M1-510-96-4

One key supplied per latch for additional keys order M7-88-9121324-S



Accessories - 50mm (2”)

For lock style 4
Key (pair)
Part number: M1-546



For lock style 7
Overmolded key S008 (pair)
Part number:
M1-525-39-S008





Cables

For cable configuration, see Cable Selection Tool on Southco.com

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64 Push-to-Close Actuator

Pull-to-open · Paddle handle actuator · Multi-point · Large

- **Flush mounting installation**
- **Multiple mounting styles**
- **Locking and Non-Locking options**

Material and Finish

Stainless steel, polished, steel, zinc plated or black powder coated

Accessories

Flat key, keyed alike CH751
(2 keys per ring)
Part number: PK-10-01

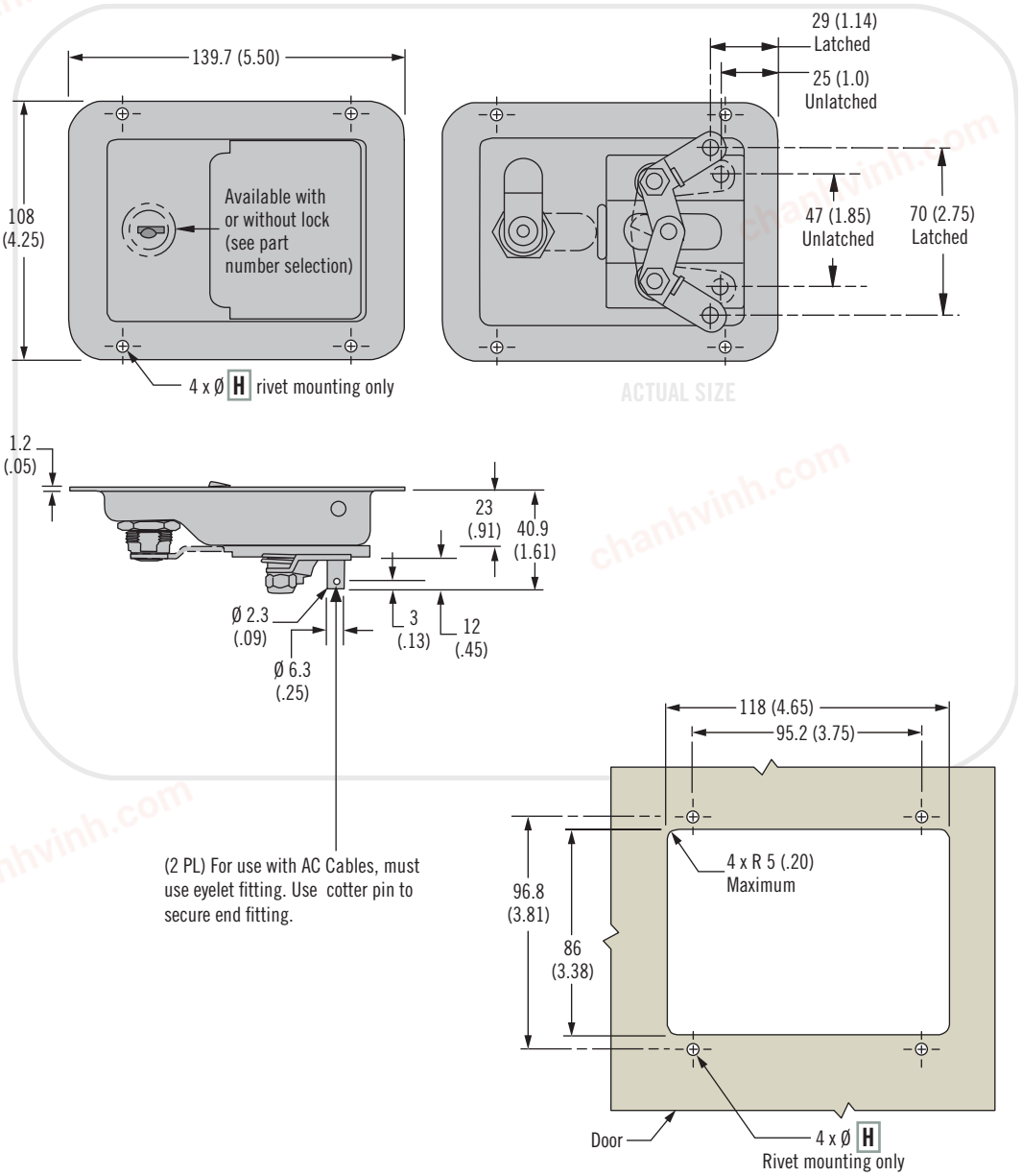


Overmolded key, keyed alike CH751
(2 keys per ring)
Part number: PK-10-01-05



Notes

For cable configuration, see Cable Selection Tool on Southco.com



Part Number Selection

H Housing
- **0** Weld
- **1** Rivet through hole 4.9 (.19)
- **2** Rivet through hole 5.2 (.20)

M Material
- **10** Steel, zinc plated
- **20** Stainless steel, polished
- **50** Steel, black powder coated

64 - 40 - 4 L H - M

L Lock style
- **0** Non-locking
- **1** Key-locking keyed alike CH751 (2 Flat keys supplied)

Dimensions in millimeters (inch) unless otherwise stated