

### **Altech Corporation**

Since 1984, Altech Corporation has grown to become a leading supplier of automation and industrial control components. Headquartered in Flemington, NJ, Altech has an experienced staff of engineering, manufacturing and sales personnel to provide the highest quality products with superior service. This is the Altech Commitment!

Altech 22 and 30mm Push Buttons offer ideal cost-effective solutions for control circuits utilizing both direct and remote management applications. Ease of assembly has been engineered into the design; the only tool necessary for installation is a screwdriver.

- LED Indicating Devices
- Pilot Lights
- Push Button Stations
- Push Button Enclosures
- UL Recognized
- Custom Push Button Assemblies
- All Very Competitively Priced

Our well trained technical experts welcome the opportunity to answer your technical questions and provide solutions to your automation and control needs. Give us a call or visit www.altechcorp.com.

### Quality Commitment

Altech's control components meet diverse national and international standards such as UL, NEC, CSA, IEC, VDE and more. Altech provides superior customer service and delivery through Total Quality Management and Continuous Process Improvement. Altech is ISO 9001 approved. We perform these services with honesty and integrity and are committed to achieve these goals.



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### **Pre-assembled or Ready to Assemble Control Stations**



### Solutions for your applications

Backed by technical and industrial experience, we offer preassembled ready to install or assembled to order control stations. Altech offers several ranges of control stations. From a cost effective plastic enclosure assembled with 22 mm push buttons to a heavy duty cast aluminum enclosure assembled with 22 or 30mm push buttons, you will find the one that fits your application.



### High performance and Extensive range

Our basic plastic or Pressure Die Cast aluminum (PDC) enclosures are available with contact blocks mounted on the bracket behind the 22 mm operator or in the rear (base) of the enclosure (*see page 41*). Altech can assemble the control station to the customer specifications or it can be ordered unassembled. These enclosures are easy to assemble by using any Non-Illuminated operator with a maximum of 2 contacts per operator.

**Our plastic** enclosures on pages 34-35 can be customized to meet the customer's most demanding applications. These enclosures can be equipped with any 22 mm illuminated or Non-Illuminated operators. Use up to 2 contact blocks with the illuminated operators or up to 4 contact blocks with the Non-illuminated operators.

**Our Gravity Die Cast aluminum (GDC)** enclosures have an excellent resistance to mechanical shock and vibration. They can be equipped with any illuminated or Non-Illuminated operators. Use up to 2 contact blocks with the illuminated 22mm operators or up to 4 contact blocks with the Non-illuminated 22mm operators. This enclosure can be modified to accept any Non-illuminated 30mm operator or pilot light as well.





### **Pre-assembled or Ready to Assemble Control Stations**



### **Application specific solutions**

These products are suitable for a wide variety of applications. They have an excellent resistance to corrosion and cleaning agents. They are tolerant of high pressure cleaning without leakage. These enclosures combined with our push buttons offer an excellent price/performance ratio.

Our staff has the ability to take your requirements and rapidly turn them into a solution. We use the latest CAD system in our process. Prototypes are available for most application specific requirements.



Sample Part No. 44-200T



### Safety and reliability

The majority of the enclosures meet all industrial application requirements from the most common to the most extreme.

They have international certifications such as UL, CE, etc. They conform to IEC standards, have a IP65 rating and NEMA Type 4X protection.

Metal legend plates are engraved on both sides, one side in horizontal and the other side in a vertical orientation.

### Save Time

Our control stations save you time, simplify and speed up your installation while maintaining the high quality and appearance of your equipment.

Mounting is easy, the only tool you need is a screwdriver.



### **30mm Metal Push Buttons**

The Altech 30mm Push Button line include a complete selection of push buttons, pilot lights and selector switches and accessories. All properly assembled devices are UL and CE Recognized and they certified for NEMA type 4X applications. An internal seal provides watertight integrity and all components are corrosion resistant materials.

Our contact blocks are color coded for an easy assembly and identification (Red=S11, Yellow=S12). Illuminated or Non-Illuminated push buttons in various colors are available for quick delivery.

Selector Switches are available in a 2 or 3 position styles with and option for momentary or maintained function. The pilot lights are full voltage and LED and filament bubs are interchangeable.

Cast aluminum control stations are available to your specifications.

These Ø 30 control devices can be mounted in any position in panels of 1 to 6 mm (.039 - .236 in.) thickness.

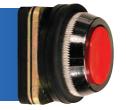
### **30mm Non-Illuminated Metal Operators**



Certified for **NEMA Type 4X** 12 environment.

Flush Non-Illuminated Momentary

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Color	Function	Cat No.
White	Momentary	AF1
Black	Momentary	AF2
Green	Momentary	AF3
Red	Momentary	AF4
Blue	Momentary	AF6
Yellow	Momentary	AF8



Color	Function	Cat No.
□ White	Momentary	AB1
Black	Momentary	AB2
Green	Momentary	AB3
Red	Momentary	AB4
Blue	Momentary	AB6
Yellow	Momentary	AB8

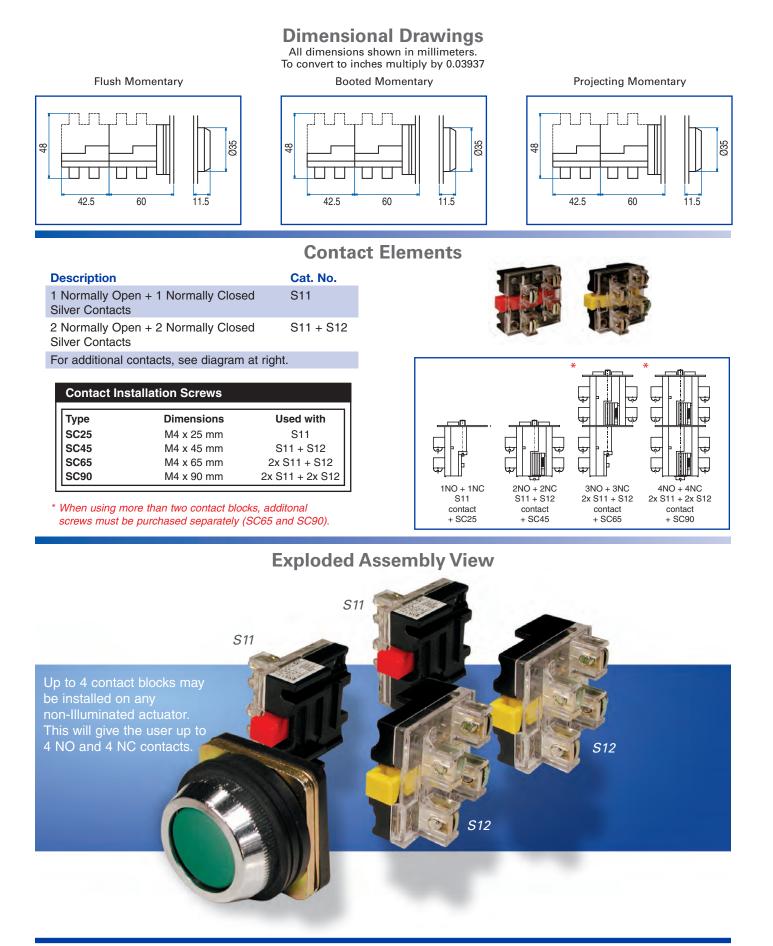
Projecting Momentary



Color	Function	Cat No.
□ White	Momentary	AP1
Black	Momentary	AP2
Green	Momentary	AP3
Red	Momentary	AP4
Blue	Momentary	AP6
Yellow	Momentary	AP8

### **30mm Non-Illuminated Metal Operators**





### **30mm Illuminated Metal Operators**



**((** 

Certified for **NEMA Type 4X** 12 environment.

### Flush Illuminated Momentary



### Note:

All LED illuminated actuators and pilot lights at a specified voltage will operate on AC and DC. Except for 110V and 230V specify AC or DC type.



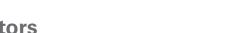
Color 24V AC/DC (1	Voltage filament bulb)	Cat No.
☐ White	24V AC/DC	ALF1-024
Green	24V AC/DC	ALF3-024
Red	24V AC/DC	ALF4-024
Amber	24V AC/DC	ALF5-024
Blue	24V AC/DC	ALF6-024
Clear	24V AC/DC	ALF7-024
Yellow	24V AC/DC	ALF8-024
48V AC/DC (1	filament bulb)	
U White	48V AC/DC	ALF1-048
Green	48V AC/DC	ALF3-048
Red	48V AC/DC	ALF4-048
Amber	48V AC/DC	ALF5-048
Blue	48V AC/DC	ALF6-048
Clear	48V AC/DC	ALF7-048
Yellow	48V AC/DC	ALF8-048
110V AC/DC	(filament bulb)	
U White	110V AC/DC	ALF1-110
Green	110V AC/DC	ALF3-110
Red	110V AC/DC	ALF4-110
Amber	110V AC/DC	ALF5-110
Blue	110V AC/DC	ALF6-110
Clear	110V AC/DC	ALF7-110
Yellow	110V AC/DC	ALF8-110
230V AC (fila	ment bulb)	
U White	230V AC	ALF1-230
Green	230V AC	ALF3-230
Red	230V AC	ALF4-230
Amber	230V AC	ALF5-230
Blue	230V AC	ALF6-230
Clear	230V AC	ALF7-230
Yellow	230V AC	ALF8-230
230V DC version is a	available on request.	

230V DC version is available on request.

### 24V AC/DC (LED bulb)

240 40/00		
White	24V AC/DC	ALF1LB-024
Green	24V AC/DC	ALF3LB-024
Red	24V AC/DC	ALF4LB-024
Amber	24V AC/DC	ALF5LB-024
Blue	24V AC/DC	ALF6LB-024
Clear	24V AC/DC	ALF7LB-024
Yellow	24V AC/DC	ALF8LB-024
48V AC/DC	(LED bulb)	
White	48V AC/DC	ALF1LB-048
Green	48V AC/DC	ALF3LB-048
Red	48V AC/DC	ALF4LB-048
Amber	48V AC/DC	ALF5LB-048
Blue	48V AC/DC	ALF6LB-048
Clear	48V AC/DC	ALF7LB-048
Yellow	48V AC/DC	ALF8LB-048
110V AC/D0	C (LED bulb)	
White	110V AC	ALF1LB-110
Green	110V AC	ALF3LB-110
Red	110V AC	ALF4LB-110
Amber	110V AC	ALF5LB-110
Blue	110V AC	ALF6LB-110
🗌 Clear	110V AC	ALF7LB-110
Yellow	110V AC	ALF8LB-110
230V AC* (L		
White	230V AC*	ALF1LB-230
Green	230V AC*	ALF3LB-230
Red	230V AC*	ALF4LB-230
Amber	230V AC*	ALF5LB-230
Blue	230V AC*	ALF6LB-230
Clear	230V AC*	ALF7LB-230
Yellow	230V AC*	ALF8LB-230

\*230V DC version is available on request.

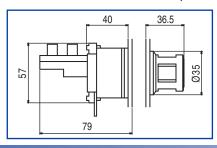


### **30mm Illuminated Metal Operators**

### **Dimensional Drawings**

All dimensions shown in millimeters. To convert to inches multiply by 0.03937

Flush Illuminated Momentary



### **Contact Elements**

Description	Cat. No.
1 Normally Open + 1 Normally Closed Silver Contacts	S11
2 Normally Open + 2 Normally Closed Silver Contacts	S11 + S12
For additional contacto, and diagram at righ	

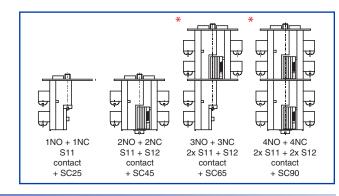
For additional contacts, see diagram at right.

Contact Installation Screws		
Туре	Dimensions	Used with
SC25	M4 x 25 mm	S11
SC45	M4 x 45 mm	S11 + S12
SC65	M4 x 65 mm	2x S11 + S12
SC90	M4 x 90 mm	2x S11 + 2x S12

\* When using more than two contact blocks, additonal screws must be purchased separately (SC65 and SC90).



Altech



# Exploded Assembly View

### **30mm Selector Switch Metal Operators**



Certified for **NEMA Type 4X** 12 environment.

Selector Maintained & Momentary

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Other colors available upon request. Please contact Altech for further information and part numbers.

Color 2 Position Maintained	Cat No.
Black	AS2-2P
3 Position Maintained	
Black	AS2-3P
2 Position Momentary	
Black	AS2-2PSR



To be used for applications where single or multiple operators are used, but the same key configurations are required. Standard key selector switches have the same key configuration (Cat. No. KY30).

Function	Key	Removal	Cat No.
2 Position			
Maintained	$\sim$	Left/Right	AK2-2PB
Momentary	~~	Left	AK2-2POSR
Maintained	$\sim$	Right	AK2-2PI
Maintained	$\checkmark$	Left	AK2-2PO
3 Position			
Maintained	Ŷ	Left/Right	AK2-3PB
Maintained	Ŷ	Center	AK2-3PC
Replacement I	Key		KY30

Key Selector Switch Keyed Differently

To be used for applications where multiple operators are used, but different key configurations are required. Each cat. no. have different key configurations.

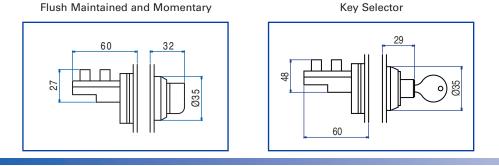
Function	Key	Removal	Cat No.
2 Position			
Maintained	$\sim$	Left	AK2-2PO-KD
Momentary	~~	Left	AK2-2PO-KD1
Maintained	$\sim$	Left	AK2-2PO-KD2
Maintained	$\sim$	Left	AK2-2PO-KD4
Maintained	$\sim$	Left	AK2-2PO-KD5
<b>3</b> Position			
Maintained	Ŷ	Center	AK2-3PC-KD
Maintained	Ŷ	Center	AK2-3PC-KD1
Maintained	Ŷ	Center	AK2-3PC-KD2
Maintained	Ŷ	Center	AK2-3PC-KD3



### **30mm Selector Switch Metal Operators**

### **Dimensional Drawings** All dimensions shown in millimeters.

To convert to inches multiply by 0.03937



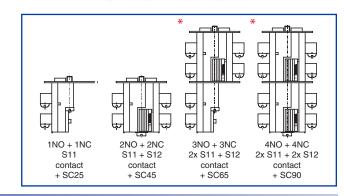
### **Contact Elements**

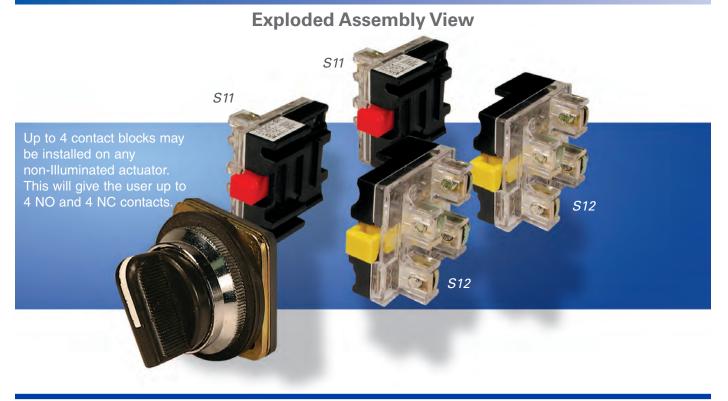
Description	Cat. No.
1 Normally Open + 1 Normally Closed Silver Contacts	S11
2 Normally Open + 2 Normally Closed Silver Contacts	S11 + S12
For additional contacts, see diagram at right	

Contact Installation Screws			
Туре	Dimensions	Used with	
SC25	M4 x 25 mm	S11	
SC45	M4 x 45 mm	S11 + S12	
SC65	M4 x 65 mm	2x S11 + S12	
SC90	M4 x 90 mm	2x S11 + 2x S12	

\* When using more than two contact blocks, additonal screws must be purchased separately (SC65 and SC90).







### **30mm Non-Illuminated Metal Operators**



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Certified for **NEMA Type 4X** 12 environment.

### Mushroom with Key



All keys are "keyed alike". Different keys are available on request. Other colors are available on request.

Color Press to Lo	Function ck, Key to Release	Cat No.
Black	Maintained	AMLKB2
Red	Maintained	AMLKB4
Key to Locl	k, Key to Release	
Black	Maintained	AMKB2
Red	Maintained	AMKB4

### Mushroom with Indicating Arrows (Press to lock, turn to release.)



ColorFunctionCat No.Press to Lock, Turn to ReleaseBlackMaintainedAML2RedMaintainedAML4

Other colors are available on request.





Color	Function	Cat No.
□ White	Momentary	AM1
Black	Momentary	AM2
Green	Momentary	AM3
Red	Momentary	AM4
Blue	Momentary	AM6
Yellow	Momentary	AM8



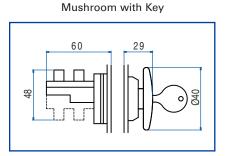
### **30mm Non-Illuminated Metal Operators**

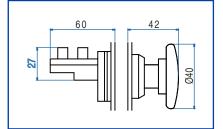
### **Dimensional Drawings**

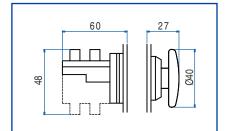
All dimensions shown in millimeters. To convert to inches multiply by 0.03937

Mushroom with Indicating Arrows

Mushroom Momentary







### **Contact Elements**

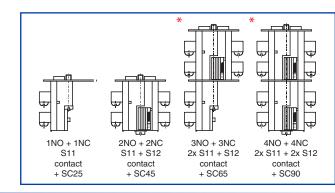
Description	Cat. No.
1 Normally Open + 1 Normally Closed Silver Contacts	S11
2 Normally Open + 2 Normally Closed Silver Contacts	S11 + S12
Ear additional contacto, and diagram at righ	+

For additional contacts, see diagram at right.

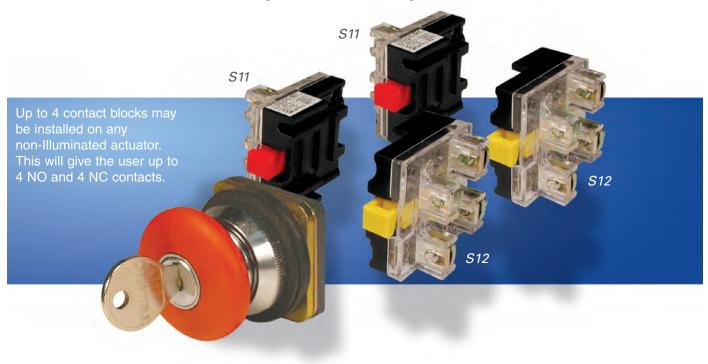
Contact Installation Screws					
Туре	Dimensions	Used with			
SC25	M4 x 25 mm	S11			
SC45	M4 x 45 mm	S11 + S12			
SC65	M4 x 65 mm	2x S11 + S12			
SC90	M4 x 90 mm	2x S11 + 2x S12			

\* When using more than two contact blocks, additonal screws must be purchased separately (SC65 and SC90).





### **Exploded Assembly View**



### **30mm Metal Pilot Lights**



Certified for NEMA Type 4X 12 environment.

**Pilot Light** 

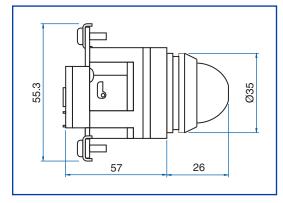


### Note:

All LED pilot lights and illuminated actuators at a specified voltage will operate on AC and DC. Except for 110 and 230V specify AC or DC type.

### **Dimensional Drawings**







Fileward P. II		
Filament Bulb	Vallaria	Oct No
Color	Voltage	Cat No.
	(filament bulb)	
U White	24V AC/DC	PLB1-024
Green	24V AC/DC	PLB3-024
Red	24V AC/DC	PLB4-024
Amber	24V AC/DC	PLB5-024
Blue	24V AC/DC	PLB6-024
Clear	24V AC/DC	PLB7-024
Yellow	24V AC/DC	PLB8-024
48V AC/DC	(filament bulb)	
White	48V AC/DC	PLB1-048
Green	48V AC/DC	PLB3-048
Red	48V AC/DC	PLB4-048
Amber	48V AC/DC	PLB5-048
Blue	48V AC/DC	PLB6-048
Clear	48V AC/DC	PLB7-048
Yellow	48V AC/DC	PLB8-048
	(filament bulb)	
□ White	110V AC/DC	PLB1-110
Green	110V AC/DC	PLB3-110
Red	110V AC/DC	PLB4-110
Amber	110V AC/DC	PLB5-110
Blue	110V AC/DC	PLB6-110
□ Clear	110V AC/DC	PLB7-110
Yellow	110V AC/DC	PLB8-110
	(filament bulb)	
□ White	230V AC/DC	PLB1-230
Green	230V AC/DC	PLB3-230
Red	230V AC/DC	PLB4-230
Amber	230V AC/DC	PLB5-230
Blue	230V AC/DC	PLB6-230
Clear	230V AC/DC 230V AC/DC	PLB7-230
	230V AC/DC 230V AC/DC	PLB8-230
L reliiow	230V AC/DC	PLB6-230
LED Bulb		
Color	Voltage	Cat No.
24V AC/DC		
White	24V AC/DC	PLB1LB-024
Green	24V AC/DC	PLB3LB-024
Bed	24V AC/DC	PI B4I B-024

24V AC/DC	24V AC/DC (LED bulb)						
□ White	24V AC/DC	PLB1LB-024					
Green	24V AC/DC	PLB3LB-024					
Red	24V AC/DC	PLB4LB-024					
Amber	24V AC/DC	PLB5LB-024					
Blue	24V AC/DC	PLB6LB-024					
Clear	24V AC/DC	PLB7LB-024					
Yellow	24V AC/DC	PLB8LB-024					
48V AC/DC	(LED bulb)						
White	48V AC/DC	PLB1LB-048					
Green	48V AC/DC	PLB3LB-048					
Red	48V AC/DC	PLB4LB-048					
Amber	48V AC/DC	PLB5LB-048					
Blue	48V AC/DC	PLB6LB-048					
Clear	48V AC/DC	PLB7LB-048					
Yellow	Illow 48V AC/DC PLB8LB-048						
	C (LED bulb)						
White	110V AC	PLB1LB-110					
Green	110V AC	PLB3LB-110					
Red	110V AC	PLB4LB-110					
Amber	110V AC	PLB5LB-110					
Blue	110V AC	PLB6LB-110					
Clear	110V AC	PLB7LB-110					
Yellow	110V AC	PLB8LB-110					
230V AC* (L							
White	230V AC*	PLB1LB-230					
Green	230V AC*	PLB3LB-230					
Red	230V AC*	PLB4LB-230					
Amber	230V AC*	PLB5LB-230					
Blue	230V AC*	PLB6LB-230					
Blue Clear Yelllow	230V AC* 230V AC* 230V AC*	PLB6LB-230 PLB7LB-230 PLB8LB-230					

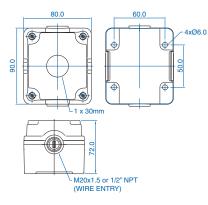
\*230V DC version is available on request.

## <section-header><section-header><image><image><image><image><image><image><image><image><image>

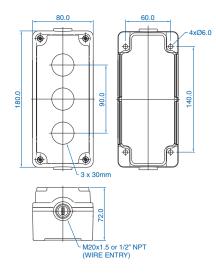
Operator Capacity	Cat. No. Black base/ Grey Cover*	Color Black base/ Yellow Cover	Material Construction	Dimensions LxWxH mm (in.)	Cable Entry Thread Size	Mounting Hole Dia.
1	7011A13	7023A10	PDC Aluminum, EH	80x90x72 (3.15x3.54x2.83)	2xM20	4 X 6mm
2	7008C13	7017C10	PDC Aluminum, EH	80x135x72 (3.15x5.32x2.83)	2xM20	4 X 6mm
3	7006E13	7018E10	PDC Aluminum, EH	80x180x72 (3.15x7.09x2.83)	2xM20	4 X 6mm
4	7006G13	7010G10	PDC Aluminum, EH	80x225x72 (3.15x8.86x2.83)	2xM20	4 X 6mm
1	7012A13	7024A10	PDC Aluminum, EH	80x90x72 (3.15x3.54x2.83)	2x1/2"-14 NPT	4 X 6mm
2	7009C13	7018C10	PDC Aluminum, EH	80x135x72 (3.15x5.32x2.83)	2x1/2"-14 NPT	4 X 6mm
3	7007E13	7019E10	PDC Aluminum, EH	80x180x72 (3.15x7.09x2.83)	2x1/2"-14 NPT	4 X 6mm
4	7007G13	7011G10	PDC Aluminum, EH	80x225x72 (3.15x8.86x2.83)	2x1/2"-14 NPT	4 X 6mm

\*Color code RAL 7032, Pebble Gray. Other colors available upon request.

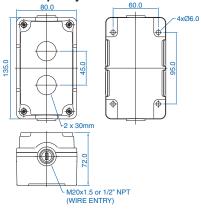
### 1 - Operator Capacity



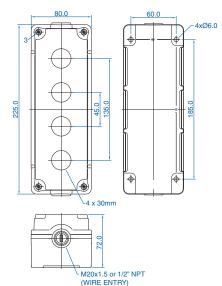
### 3 - Operator Capacity



### 2 - Operator Capacity



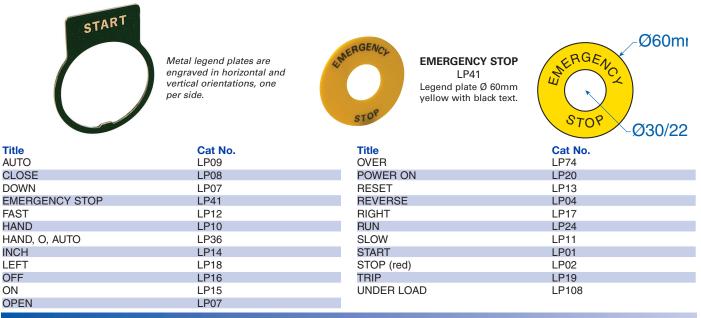
### 4 - Operator Capacity



All dimensions shown in millimeters. To convert to inches multiply by 0.03937

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### **30mm Push Button Accessories**



### **Replacement Bulbs**

	6.			1	ED Bulb	s					
	f				Color 110V A0	Voltage C	Cat No.		Color 230V AQ	Voltage	Cat No.
			22 2400		White	110V AC	MCB151110		White	230V AC	MCB151230
					Green	110V AC	MCB153110		Green	230V AC	MCB153230
					Red	110V AC	MCB154110		Red	230V AC	MCB154230
	Filomor	nt Bulbs			Amber	110V AC	MCB155110		Amber	230V AC	MCB155230
					Blue	110V AC	MCB156110	21	Blue	230V AC	MCB156230
	Color	Voltage	Cat No.		Yellow	110V AC	MCB158110		Yellow	230V AC	MCB158230
	Clear	12V AC/DC	BA15D12		110V D	c			230V D	~	
	Clear	24V AC/DC	BA15D24		White	110V DC	MCB151110D		White	230V DC	MCB151230D
	Clear	48V AC/DC	BA15D48		Green	110V DC	MCB153110D		Green	230V DC 230V DC	MCB151230D
	Clear	110V AC/DC	BA15D110		Red	110V DC	MCB154110D			230V DC 230V DC	MCB153230D MCB154230D
	Clear	230V AC/DC	BA15D220		Amber	110V DC	MCB155110D		Red	230V DC 230V DC	MCB155230D
	LED Bull	os			Blue	110V DC	MCB156110D		Amber Blue	230V DC 230V DC	MCB155230D MCB156230D
	Color	Voltage	Cat No.		Yellow	110V DC	MCB158110D		Yellow	230V DC 230V DC	MCB158230D
	12V A0	•	oat No.						Tellow	230V DC	NICD100200D
	White	12V AC/DC	MCB15112		24V AC				48V AC	/DC	
	Green	12V AC/DC	MCB15312		White	24V AC/DC	MCB15124		White	48V AC/DC	MCB15148
	Red	12V AC/DC	MCB15412		Green	24V AC/DC	MCB15324		Green	48V AC/DC	MCB15348
	Amber	12V AC/DC	MCB15512		Red	24V AC/DC	MCB15424		Red	48V AC/DC	MCB15448
	Blue	12V AC/DC	MCB15612		Amber	24V AC/DC	MCB15524		Amber	48V AC/DC	MCB15548
	Yellow	12V AC/DC	MCB15812		Blue	24V AC/DC	MCB15624		Blue	48V AC/DC	MCB15648
_	TEIIOW	IZV AU/DU	100010012		Yellow	24V AC/DC	MCB15824		Yellow	48V AC/DC	MCB15848

### **Maximum Power Consumption:**

	LED		FILAMENT	BULBS
Supply Voltage	Power (max) in Watts	Current	Power (max) in Watts	Current
12V	0.5W	max 20mA	2W	max 166mA
24V	0.5W	max 20mA	2W	max 85mA
48V	0.5W	max 20mA	5W	max 105mA
110V	0.5W	max 20mA	5W	max 45mA
240V	1W	max 20mA	6W	max 25mA

These bulbs are available in various colors and voltages. LED based bulbs are a direct replacement for filament bulbs and do not require having to change any other components in your existing operator or pilot light.

These bulbs use high brightness LED chips which last for more than 100,000 hours and consume very little power. Heat generated by LED based bulbs is negligible, therefore no damage to the body of the lamp or any operator in case of Illuminated push buttons occurs.

These bulbs can be used to replace 12V AC/DC, 24V AC/DC, 48V AC/DC, 110V AC or DC and 240V AC or DC circuits directly. LED color indication is given on the bulb for easy identification.

### Please visit altechcorp.com/pb for other available legend plates.



	Le	nses for pilot lig	ghts		Le	nses for illumin	ated actuators
				Cat No.			
		Color	Cat No.	w/ bushing		Color	Cat No.
-		White	PLL1	_		White	ALL1
		Green	PLL3	PLLA3		Green	ALL3
		Red	PLL4	PLLA4		Red	ALL4
		Amber	PLL5	_		Amber	ALL5
		Blue	PLL6	_		Blue	ALL6
and the second		Clear	PLL7	_		Clear	ALL7
		Yellow	PLL8	_		Yellow	ALL8



Padlock

Color

White

Black

Green

Red

Blue

Yellow

For mushroom actuator: Cat. No. PAM For projecting actuator: Cat. No. PAP

Cat No.

BT1

BT2

BT3

BT4

BT6

BT8

**Rubber Boots for Booted Actuators** 



**Actuator Lock Plate** Cat. No.: ALP101

.





Replacem	ent Key
Cat. No.:	KY30



**Bulb Extractor** 

Cat. No.: 2BA9SE

Cat #.	Dimensions	Used With
SC25	M4 x 25 mm	S11 only
SC45	M4 x 45 mm	S11 + S12 (2NO + 2NC)
SC65	M4 x 65 mm	2 x S11 + S12 (3NO +3NC)
SC90	M4 x 90 mm	2 x S11 + 2 x S12 (4NO+4NC)

### **Contact Elements**

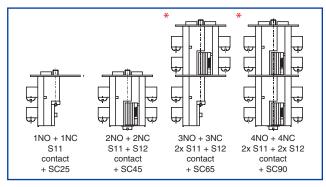
Description	Cat. No.
1 Normally Open + 1 Normally Closed Silver Contacts	S11
2 Normally Open + 2 Normally Closed Silver Contacts	S11 + S12

For additional contacts, see diagram at right.

Contact Installation Screws		
Туре	Dimensions	Used with
SC25	M4 x 25 mm	S11
SC45	M4 x 45 mm	S11 + S12
SC65	M4 x 65 mm	2x S11 + S12
SC90	M4 x 90 mm	2x S11 + 2x S12

\* When using more than two contact blocks, additonal screws must be purchased separately (SC45 and SC90).





### **1.2mm Actuator Rubber Washer** Cat. No.: ARW1.2

**3.2mm Actuator Rubber Washer** Cat. No.: ARW3.2



Altech

**Contact Block Installation Screws** 

### **30mm Technical Notes**

### Characteristics

### Environment Temperature Range -25°C to +70°C (-13°F to +158°F) Degree of protection: IEC 529 IP65 UL50 NEMA Type 4X, 12 Mechanical Life All push buttons 1 million of cycles except maintained mushroom 0.3 million of cycles

### **Mechanical Characteristics of contact elements**

Contact Operation	NO+NC	Double break, self-wiping
Rated Insulation Voltage		500 V AC
Operating Travel	Push buttons	Changing NC state 2.4mm Changing NO state 4.3mm
		Travel 8.7mm
Terminal Capacity	Wiring	2x1.5 sq.mm (2x16 AWG) or 1x2.5 sq.mm (14 AWG)
Contact Material	Bimetal (Cu/Ag)	Standard single element
Short Circuit Protection		10A HRC fuse
Rated Make Break	UL508, AC: A600; 600V, 1.2A DC: Q600; 600V, 0.1A	standard block with screw clamp terminals 415V AC, 4A standard block with screw clamp terminals 220V AC, 0.5A
Dielectric Strength	Push Buttons, Pilot Lights	2500V for 1 minute

### **Torque Specifications**

Contact block to operator screws Terminal screws (wiring) 0.5 Nm (4.5 lbs. in.) 0.8 Nm (7.2 lbs. in.)