

## Control Switches and Signaling Devices

### 22.5 mm Metal Series

|                                                                |     |
|----------------------------------------------------------------|-----|
| Control Switches and Signaling Devices,<br>22.5mm Metal Series | 292 |
| Non-Illuminated Operators,<br>22.5mm Metal Series              | 294 |
| Illuminated Operators, 22.5mm Metal Series                     | 296 |
| Pilot Lights and Lens Assemblies,<br>22.5mm Metal Series       | 297 |
| Control Switches and Signaling Devices,<br>22.5mm Metal Series | 298 |



Airpax Corporation  
807 Woods Road  
Cambridge, Maryland  
21613 USA  
Tel: 410-228-1500  
Fax: 410-228-3456  
[info@airpax.net](mailto:info@airpax.net)

**AIRPAX**  
[www.airpax.net](http://www.airpax.net)

## Control Switches and Signaling Devices, 22.5mm Metal Series

This range of 22.5mm metal series pushbuttons, selector switches, illuminated switches and pilot lights have been designed to provide the following features:

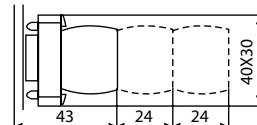
- Economy of space
- Self wiping contacts
- RoHS compliant
- Simple to mount (only need a screw driver)
- Mounting method is unaffected by excessive vibration
- Electric shock protection (grounded unit)
- Aesthetically pleasing
- Heavy-duty construction
- Shrouded terminals
- Very good flame resistance
- Use of LEDs for long life

### Actuators

The circular actuators have chrome plated metal bezels and are functionally interchangeable on the different contact elements.

### Contact elements

The contact elements are double break and have self-wiping contacts. The elements are interchangeable and can be stacked without additional hardware. 1 to 6 elements (NO or NC) can be used for non-illuminated actuators, whereas, 1 to 4 elements (NO or NC) can be used for illuminated actuators. Gold NO or NC contact elements for low voltage, low current, < 25mA, switching applications are available.



### Illuminated pushbuttons and pilot lights

Pilot lights and pushbutton switches are suitable for direct connection through a series resistor, series resistor and diode, using bayonet cap filament bulb type BA9s as follows:

|                                                                      |                                        |
|----------------------------------------------------------------------|----------------------------------------|
| Supply voltage for direct connection without series resistor . . . . | 6V - 130V                              |
| Supply voltage through series resistor . . . . .                     | 12V - 415V                             |
| Supply voltage through resistor and diode . . . . .                  | 230 VAC                                |
| Bulb . . . . .                                                       | Filament, type BA9S with OAL max. 28mm |

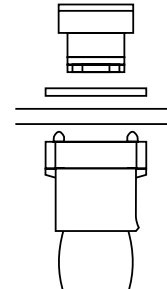
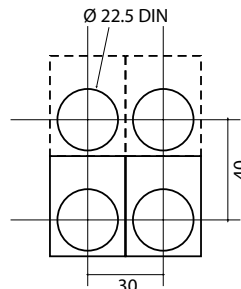
Pilot lights and illuminated actuators are available with integral LEDs, suitable for operating at various voltages; 6V, 12V, 24V, 30V, 48V, 63.3V, 110V, 125V, 230VAC or DC and 415VAC. Pilot lights and illuminated actuators are available with LED bulbs (bayonet cap, BA9s design with OAL max. 28mm) suitable for operating at various voltages; 24V, 48V, 110V and 230V. On request an extra short circuit protection consisting of built-in fuse in the LED modules can be provided. Pilot lights are available with built -in transformers suitable for operating at 110VAC, 230VAC input and 6V, 12V and 24V output.

### Terminals

Contact elements and pilot lights are designed to have shrouded terminals with combination screws.

### Mounting

The metal series control devices 22.5mm can be mounted in any position on panels of 1 to 6 mm thickness. We recommend minimum mounting centers of 30mm x 40mm. However, the dimensions and configuration should be decided on the basis of the application. The actuators and the lens assemblies lock on the holding bracket. See assembly details.



Mounting details

Mounting bracket screws torque 8 - 10 in/lbs

### Electrical and mechanical characteristics

|                       |                                                |
|-----------------------|------------------------------------------------|
| Environment           |                                                |
| Standards conformity: | CSA - C22.2 No. 14-95, UL508, EN60947-5-1 2000 |
| Approvals:            | CSA - C22.2 No. 14-95, UL508, VDE0660          |
| Degree of protection: | IP 65 as per IEC529, NEMA 4X, 12 as per UL50   |
| Ambient temperature:  | -25°C to +70°C                                 |
| Operating position:   | All positions                                  |

### Contact element block

|                                                    |                                                           |
|----------------------------------------------------|-----------------------------------------------------------|
| Element screw torque:                              | 3 - 4 in/lbs                                              |
| Connection screw torque:                           | 5 - 7 in/lbs                                              |
| Rated insulation voltage:                          | 500V                                                      |
| Rated thermal current:                             | 10A                                                       |
| Contact operation:                                 | Self wiping, slow break NO or NC                          |
| Make and break capacity as per IEC 947-5-(1) 1990: | AC 15 - 4A, 415VAC<br>DC 13 - 0.5A, 110VDC<br>A 600 Q 600 |
| as per CSA - C22.2 No. 14-95, UL508                |                                                           |

|                           |                                                                                                                      |
|---------------------------|----------------------------------------------------------------------------------------------------------------------|
| Terminal capacity:        | Minimum 1 X 0.5mm <sup>2</sup> (20AWG), maximum 2 x 15mm <sup>2</sup> (2x16AWG), or 1 x 2.5mm <sup>2</sup> (1x14AWG) |
| Terminals marking:        | 1-2 for NC, 3-4 for NO                                                                                               |
| Short circuit protection: | 10A cartridge fuse, HRC type, rated for resistive loading                                                            |
| Mechanical life:          | Over one million operations                                                                                          |
| Electrical rating:        | (one million operating cycles at 3600 cycles per hour, load factor 0.5)                                              |

|      | V | 24 | 120 | 230 | V    | 24 | 110 |
|------|---|----|-----|-----|------|----|-----|
| AC15 | A | 4  | 3   | 2   | DC13 | A  | 0.5 |
|      |   |    |     |     |      |    | 0.2 |

### Modules for pilot lights and illuminated switches with integral LED / LED bulb (BA9S cap)

Current consumption (applicable to all colors)

|                                                              |                                                                                                               |
|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| 24VAC/DC, 110VAC and 240VAC:                                 | max. 20mA                                                                                                     |
| 110VDC:                                                      | max. 15mA                                                                                                     |
| 220VDC:                                                      | max. 10mA                                                                                                     |
| Service life(at nominal voltage and at ambient temperature): | 100,000 hours                                                                                                 |
| Voltage limits (nominal voltage):                            | ±20% of rated voltage                                                                                         |
| Short circuit protection:                                    | on specific request                                                                                           |
| Terminal capacity:                                           | min. 1 X 0.5mm <sup>2</sup> (20AWG) max. 2 x 1.5mm <sup>2</sup> (2x16AWG) or 1 x 2.5mm <sup>2</sup> (1x14AWG) |

## Control Switches and Signaling Devices, 22.5mm Metal Series

### Ordering Information

1. Actuators, illuminated actuators, contact elements, lens assemblies and pilot lights are each ordered separately. For complete assemblies, please contact the factory for specific part numbers
2. Prefix AS2 for all actuators indicates 22.5 metal series
3. The type numbers of contact elements are:
 

|    |                     |        |                                                                                                            |
|----|---------------------|--------|------------------------------------------------------------------------------------------------------------|
| NO | Actuator mounting   | S1, S3 | Note: S3, S4, S7, and S8 have gold plated contact suitable for low voltage, low current applications <25mA |
|    | Individual mounting | S5, S7 |                                                                                                            |
| NC | Actuator mounting   | S2, S4 |                                                                                                            |
|    | Individual mounting | S6, S8 |                                                                                                            |
4. Part number examples:
 

|             |         |                                            |
|-------------|---------|--------------------------------------------|
| Actuator    | AS2AF3  | = flush actuator, green, component only    |
| Pilot light | AS2PLB4 | = pilot light without series resistor, red |

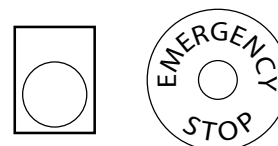
### Accessories and spares

#### Legend plates

Legend plates 30 x 40 mm are supplied with the following standard text:

START UP OPEN AUTO SLOW RESET ON RIGHT FORWARD TRIP  
STOP DOWN CLOSE HAND FAST INCH OFF LEFT REVERSE POWER ON

EMERGENCY STOP - legend plate is 60mm yellow with black text



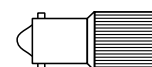
#### Replacement bulbs

Filament Bulb type ABA9S, OAL 28mm

|          |   |    |    |    |    |    |     |
|----------|---|----|----|----|----|----|-----|
| Voltage: | 6 | 12 | 24 | 30 | 48 | 60 | 130 |
| Watts:   | 1 | 2  | 2  | 2  | 2  | 2  | 2.6 |

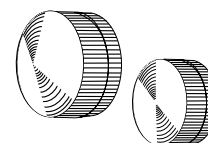
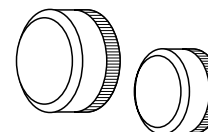
LED bulb type BA9S, OAL 28mm

|        |           |           |           |           |           |           |     |     |
|--------|-----------|-----------|-----------|-----------|-----------|-----------|-----|-----|
| Color: | White     | Green     | Red       | Amber     | Blue      | Yellow    | V   | W   |
| P/N:   | AMCB9124  | AMCB9324  | AMCB9424  | AMCB9524  | AMCB9624  | AMCB9824  | 24  | 0.5 |
|        | AMCB91110 | AMCB93110 | AMCB94110 | AMCB95110 | AMCB96110 | AMCB98110 | 110 | 1.0 |
|        | AMCB91230 | AMCB93230 | AMCB94230 | AMCB95230 | AMCB96230 | AMCB98230 | 230 | 1.0 |



#### Lenses

|                                           |             |         |         |         |         |         |         |
|-------------------------------------------|-------------|---------|---------|---------|---------|---------|---------|
| Lens color:                               | Translucent | Green   | Red     | Amber   | Blue    | Clear   | Yellow  |
| White                                     |             |         |         |         |         |         |         |
| For pilot lights w/filament bulb          | A2PLL1      | A2PLL3  | A2PLL4  | A2PLL5  | A2PLL6  | A2PLL7  | A2PLL8  |
| For illuminated actuators w/filament bulb | A2LAL1      | A2LAL3  | A2LAL4  | A2LAL5  | A2LAL6  | A2LAL7  | A2LAL8  |
| For pilot lights w/ LED                   | A2PLL1L     | A2PLL3L | A2PLL4L | A2PLL5L | A2PLL6L | A2PLL7L | A2PLL8L |
| For illuminated actuators w/LED           | A2LAL1L     | A2LAL3L | A2LAL4L | A2LAL5L | A2LAL6L | A2LAL7L | A2LAL8L |

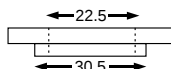


Push Push Mechanism to convert spring return actuator into maintained type  
Part number: A2PPM

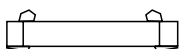


#### Adaptor

For mounting 22.5mm devices into 30.5mm cutout  
Part number: A2ADP



Mounting bracket: A2BRK



#### Boots

For flush/projecting illuminated actuator

A2ALBT7



Padlock  
Mushroom actuator: A2PAM  
Projecting actuator: A2PAP



For non-illuminated flush actuator

A2BT7



Bulb extractor: A2BA9SE



For twin actuator

A2ATBT7



Hole plug  
22.5mm, black

A2BP2



For twin illuminated actuator

A2ATLBT7



Operator  
Type



Flush



Flush  
Booted



Projecting



Mushroom  
40mm  
with Key

Airpax device, metal, 22.5mm

A S 2 A F 4

|   |           |      |
|---|-----------|------|
| 1 | Part Type | Code |
|   | Component | A    |

|   |                                                    |       |
|---|----------------------------------------------------|-------|
| 2 | Operator Type                                      | Code  |
|   | Flush                                              | F     |
|   | Flush - booted                                     | B     |
|   | Projecting                                         | P     |
|   | Mushroom - 40mm with key                           | MLKB  |
|   | Mushroom - 40mm spring return                      | M     |
|   | Mushroom - 40mm push/pull                          | MPP   |
|   | Mushroom - 40mm latching w/arrow indicator         | ML    |
|   | Mushroom - 30mm latching w/arrow indicator         | MLS   |
|   | Mushroom - 40mm latching trigger w/arrow indicator | MLT   |
|   | Mushroom - 40mm latching trigger w/key             | MLTKB |
|   | Jumbo mushroom - 60mm spring return                | MJ    |
|   | Jumbo mushroom - 60mm push/pull                    | MJPP  |
|   | Jumbo mushroom 60mm latching w/arrow indicator     | MLJ   |
|   | Selector w/key*†                                   | K     |
|   | Selector*†‡                                        | S     |
|   | Twin††                                             | T     |

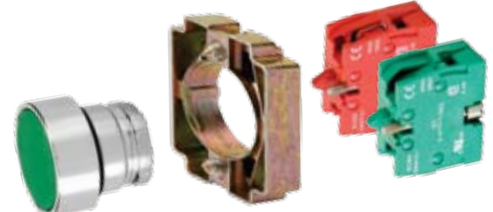
\* Selector available in black only  
† If extended selector is required, please select E from decision 4  
†† Please select flush or projecting, available in standard green/red color combination  
‡ Must select an option from decision 5

|   |                |      |
|---|----------------|------|
| 3 | Operator Color | Code |
|   | White          | 1    |
|   | Black*         | 2    |
|   | Green          | 3    |
|   | Red            | 4    |
|   | Amber          | 5    |
|   | Blue           | 6    |
|   | Yellow         | 8    |

\* Selector is available in black only

|   |                                   |      |
|---|-----------------------------------|------|
| 4 | Options (see note)                | Code |
|   | Extended (selector actuator only) | E    |

Note: Except for Selector types, your order number is complete after decision 3. However, if a Selector type is required, please continue with the remaining decisions.



Note:  
Mounting bracket is included.  
However see tables 1 & 2 to order contact elements separately.

Decision 5 is required only when a "Selector" type actuator is selected from decision 2.

| Key Selector Functions                 |  | Key Removal |        |       | Code  |
|----------------------------------------|--|-------------|--------|-------|-------|
|                                        |  | Left        | Center | Right |       |
| Maintained                             |  | ✓           |        | ✓     | 2PB   |
| Maintained                             |  | ✓           |        |       | 2PO   |
| Maintained                             |  |             |        | ✓     | 2PI   |
| Spring return                          |  | ✓           |        |       | 2POSR |
| Maintained                             |  | ✓           |        | ✓     | 3PB   |
| Maintained                             |  | ✓           | ✓      | ✓     | 3PA   |
| Maintained                             |  |             | ✓      |       | 3PC   |
| Spring return                          |  |             | ✓      |       | 3PSR  |
| Spring return                          |  |             | ✓      |       | 3PSRL |
| Spring return                          |  |             | ✓      |       | 3PSRR |
| Selector & Extended Selector Functions |  |             |        |       | Code  |
| Maintained                             |  |             |        |       | 2P    |
| Spring return                          |  |             |        |       | 2PSR  |
| Maintained                             |  |             |        |       | 3P    |
| Spring return                          |  |             |        |       | 3PSR  |
| Spring return                          |  |             |        |       | 3PSRL |
| Spring return                          |  |             |        |       | 3PSRR |

# Non-Illuminated Operators, 22.5mm Metal Series

**AIRPAX**



Mushroom 40mm



Mushroom 30mm Latching with arrow indicator



Mushroom 40mm Latching trigger type



Jumbo Mushroom 60mm

Spring Return    Push Pull    Latching w/ Arrow Indicator

With Arrow Indicator    With Key

Spring Return    Push Pull    Latching w/ Arrow Indicator

Operator Type



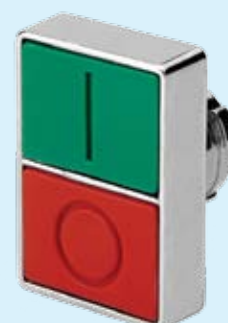
Selector with Key



Selector



Extended Selector



Twin

Table 1:

| Contact Element | Actuator Mounting    | Panel Mounting  | Figure Number | Diagram |
|-----------------|----------------------|-----------------|---------------|---------|
| 1NO             | S1                   |                 | 1             |         |
| 1NC             | S2                   |                 | 1             |         |
| 1NO+1NC         | S1+S2                |                 | 2 or 3        |         |
| 2NO             | S1+S2                |                 | 2 or 3        |         |
| 2NC             | S2+S2                |                 | 2 or 3        |         |
| 2NO+2NC         | S1+S1<br>S2+S2       |                 | 4             |         |
| 3NO+3NC         | S1+S1+S1<br>S2+S2+S2 |                 | 5             |         |
| 1NO             | S3 <sup>†</sup>      |                 | 1             |         |
| 1NC             | S4 <sup>†</sup>      |                 | 1             |         |
| 1NO             |                      | S5              | 6             |         |
| 1NC             |                      | S6              | 6             |         |
| 1NO+1NC         |                      | S5+S6           |               |         |
| 2NO             |                      | S5+S6           | 7             |         |
| 2NC             |                      | S6+S6           | 7             |         |
| 1NO             |                      | S7 <sup>†</sup> | 6             |         |
| 1NC             |                      | S8 <sup>†</sup> | 6             |         |

<sup>†</sup> Gold contacts

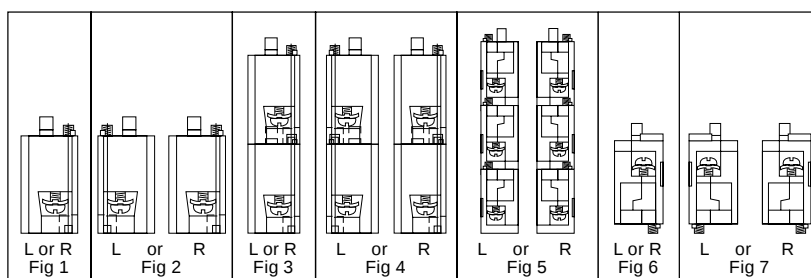


Note:

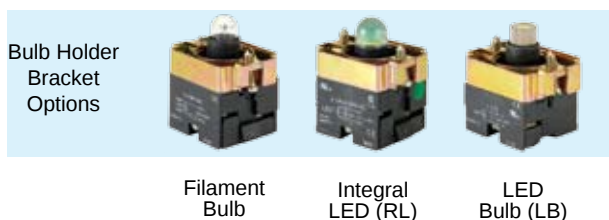
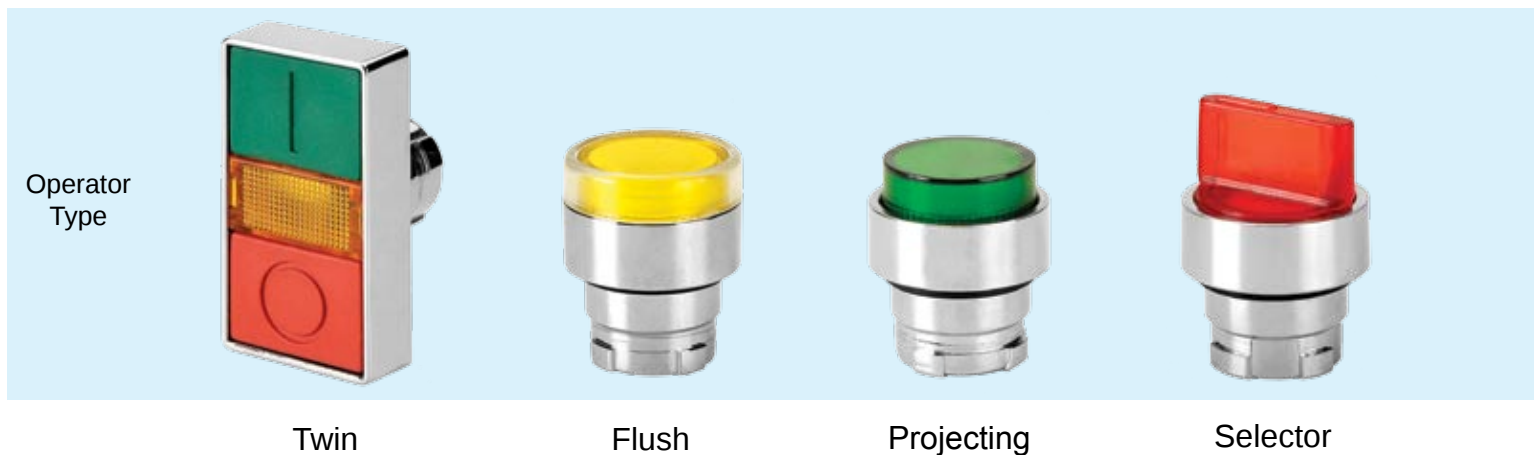
Up to six contact elements can be installed on any non-illuminated operator

Up to four contact elements can be installed on any illuminated operator

Table 2: Contact element assembly variations for non-illuminated and illuminated pushbuttons. NO is supplied in green and NC is supplied in red. Order elements with P/N's S1 for (NO), S2 for (NC), S3 for (NO, gold contacts), etc. Contact elements S5, S6, S7 and S8 have the mounting screw reversed (see fig. 6 & 7) for mounting to a back panel or wall and cannot be ordered as part of a complete assembly.



See Accessories for marking legend plates. If required, please contact factory for actuator marking.



Airpax device, metal, 22.5mm

A S 2 A L F 4 R L

| Part Type | Code |
|-----------|------|
| Component | A    |

| Illumination Type              | Code |
|--------------------------------|------|
| Standard Illuminated Device    | L    |
| Illuminated Twin <sup>††</sup> | TL   |

<sup>††</sup> Please select flush or projecting actuator, available with standard amber lens and green/red color combination. If selecting Integral LED or LED Bulb the illumination code must be placed before the operator code.  
(i.e. AS2ATL5LBF3F4 is twin, LED bulb illuminated, amber lens, flush, green, and flush, red)

| Option            | Code |
|-------------------|------|
| No resistor       |      |
| Limiting resistor | R    |

| Operator Type | Code           |
|---------------|----------------|
| Flush         | F              |
| Projecting    | P              |
| Selector      | S <sup>†</sup> |

<sup>†</sup> Not available on twin option

| Operator Color | Code |
|----------------|------|
| White          | 1    |
| Black          | 2    |
| Green          | 3    |
| Red            | 4    |
| Amber          | 5    |
| Blue           | 6    |
| Clear          | 7    |
| Yellow         | 8    |

| Holder Bracket* | Code |
|-----------------|------|
| Filament bulb   |      |
| Integral LED    | RL   |
| LED bulb        | LB   |

\* Illuminated devices are supplied with a filament bulb holder unless another option is selected. Filament and LED bulbs must be ordered separately.

| Connection (table 3)                 |    |    |    |     |     |     |     |
|--------------------------------------|----|----|----|-----|-----|-----|-----|
| Select Illumination Voltage (AC/DC)* | 12 | 24 | 48 | 110 | 130 | 230 | 415 |
| Filament bulb direct                 | x  | x  | x  | x   | x   |     |     |
| Filament bulb resistor/diode         |    |    |    | x   | x   |     |     |
| Integral LED**                       | x  | x  | x  | x   |     | x   | x   |
| LED bulb                             |    | x  |    | x   |     | x   |     |

\* Select one voltage, i.e. 24.  
\*\* If voltage is above 110, please indicate AC or DC at end of part number

Decision 7 is required only when a "Selector" type actuator is selected from decision 4.

| Selector      | Code  |
|---------------|-------|
| Maintained    | 2P    |
| Spring return | 2PSR  |
| Maintained    | 3P    |
| Spring return | 3PSR  |
| Spring return | 3PSRL |
| Spring return | 3PSRR |

Pilot Light Type



Pilot Light



Optional bulb holder transformer

Airpax device, metal, 22.5mm

A S 2 P L B 4 R L

| 1 | Part Type                                              | Code |
|---|--------------------------------------------------------|------|
|   | Lens assembly only (omit decision 2 & 5)               | PLLA |
|   | Complete lamp assembly (lens & lamp holder)            | PLB  |
|   | See decision table below for bulb holder assembly only |      |

| 2 | Option            | Code |
|---|-------------------|------|
|   | No resistor       |      |
|   | Limiting resistor | R    |
|   | Transformer       | T    |

| 3 | Operator Color | Code |
|---|----------------|------|
|   | White          | 1    |
|   | Green          | 3    |
|   | Red            | 4    |
|   | Amber          | 5    |
|   | Blue           | 6    |
|   | Clear          | 7    |
|   | Yellow         | 8    |

| 4 | Holder Bracket* Code |
|---|----------------------|
|   | Filament bulb        |
|   | Integral LED         |
|   | LED bulb             |

\* Illuminated devices are supplied with a filament bulb holder unless another option is selected. Filament and LED bulbs must be ordered separately.

5

| Connection (table 3)         |  | Select Illumination Voltage (AC/DC)* |    |    |     |     |     |     |       |        |        |       |        |        |
|------------------------------|--|--------------------------------------|----|----|-----|-----|-----|-----|-------|--------|--------|-------|--------|--------|
|                              |  | 12                                   | 24 | 48 | 110 | 130 | 230 | 415 | 110/6 | 110/12 | 110/24 | 230/6 | 230/12 | 230/24 |
| Filament bulb direct         |  | X                                    | X  | X  | X   | X   |     |     |       |        |        |       |        |        |
| Filament bulb resistor/diode |  |                                      |    |    | X   | X   |     |     |       |        |        |       |        |        |
| Integral LED**               |  | X                                    | X  | X  | X   |     | X   | X   |       |        |        |       |        |        |
| LED bulb                     |  |                                      | X  |    | X   |     | X   |     |       |        |        |       |        |        |
| Transformer                  |  |                                      |    |    |     |     |     |     | X     | X      | X      | X     | X      | X      |

\* Select one voltage, i.e. 24 or 110/12.

\*\* If voltage is above 110, please indicate AC or DC at end of part number

\* Select one voltage, i.e. 24 or 110/12.

\*\* If voltage is above 110, please indicate AC or DC at end of part number

Bulb Holder Bracket Options



Filament Bulb

Integral LED (RL)

LED Bulb (LB)

Airpax device, metal, 22.5mm  
bulb holder assembly ONLY

A S 2 L H B T

| 1 | Holder Bracket | Code |
|---|----------------|------|
|   | Filament bulb  | B    |
|   | LED bulb       | LB   |
|   | Integral LED   | RL   |

| 2 | Option            | Code |
|---|-------------------|------|
|   | No resistor       |      |
|   | Limiting resistor | R    |
|   | Transformer       | T    |

| 3                            | Connection (table 3) |    | Select Illumination Voltage (AC/DC)* |     |     |     |     |       |        |        |       |        |        |  |
|------------------------------|----------------------|----|--------------------------------------|-----|-----|-----|-----|-------|--------|--------|-------|--------|--------|--|
|                              | 12                   | 24 | 48                                   | 110 | 130 | 230 | 415 | 110/6 | 110/12 | 110/24 | 230/6 | 230/12 | 230/24 |  |
| Filament bulb direct         | X                    | X  | X                                    | X   | X   |     |     |       |        |        |       |        |        |  |
| Filament bulb resistor/diode |                      |    |                                      | X   | X   |     |     |       |        |        |       |        |        |  |
| Integral LED**               | X                    | X  | X                                    | X   |     | X   | X   |       |        |        |       |        |        |  |
| LED bulb                     |                      | X  | X                                    | X   |     | X   |     |       |        |        |       |        |        |  |
| Transformer                  |                      |    |                                      |     |     |     |     | X     | X      | X      | X     | X      | X      |  |

\* Select one voltage, i.e. 24 or 110/12.

\*\* If voltage is above 110, please indicate AC or DC at end of part number

\* Select one voltage, i.e. 24 or 110/12.

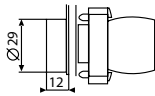
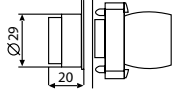
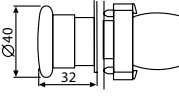
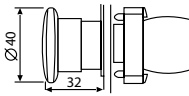
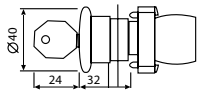
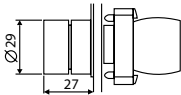
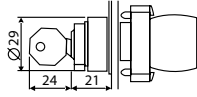
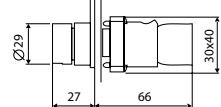
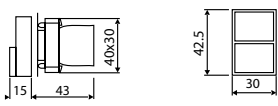
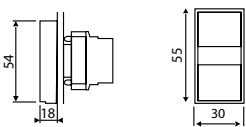
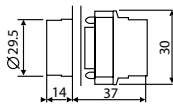
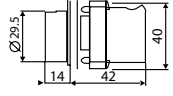
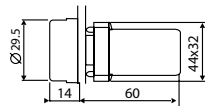
\*\* If voltage is above 110, please indicate AC or DC at end of part number

Table 3:

| DIRECT                      | INTEGRAL LED                   | TRANSFORMER                           |
|-----------------------------|--------------------------------|---------------------------------------|
| Fil. Bulb  X1<br>6V-130V X2 | X1<br>6-415 $\pm 20\%$ X2      | BA9S 12V 2W  X1<br>240V 50 / 60 Hz X2 |
| LED BULB                    | RESISTANCE+DIODE               |                                       |
| X1<br>24-240 $\pm 20\%$ X2  | Fil. Bulb  X1-ve<br>230V X2+ve |                                       |

## Control Switches and Signaling Devices, 22.5mm Metal Series

Common order number examples of control and signaling 22.5mm metal devices (to convert to inches multiply by 0.03937)

| Description                                                                             | Actuator or lens assembly | Actuator or lens color                       | Complete assembly order number                                                        |
|-----------------------------------------------------------------------------------------|---------------------------|----------------------------------------------|---------------------------------------------------------------------------------------|
| Flush pushbutton                                                                        | AS2AF3<br>AS2AF8          | Green<br>Yellow                              |    |
| Projecting pushbutton                                                                   | AS2AP2<br>AS2AP4          | Black<br>Red                                 |    |
| Mushroom pushbutton spring return                                                       | AS2AM2<br>AS2AM4          | Black<br>Red                                 |    |
| Mushroom pushbutton latching with arrow                                                 | AS2AML2<br>AS2AML4        | Black<br>Red                                 |    |
| Mushroom pushbutton latching with key                                                   | AS2AMLKB4                 | Red                                          |     |
| Selector (2 position)<br>Selector (3 position)                                          | AS2AS22P<br>AS2AS23P      | Black<br>Black                               |   |
| Key Selector (3 position)<br>key removeable in left and right positions                 | AS2AK23PB                 | Black                                        |   |
| Selector, illuminated (3 -position)<br>with resistor (24V)                              | AS2SLR43P24               | Red                                          |  |
| Twin pushbutton unmarked<br>flush - projecting                                          | AS2ATF3P4                 | Flush - Green<br>Projecting -Red             |  |
| Twin illuminated pushbutton, marked "I O"<br>flush - flush<br>direct connect up to 130V | AS2ATL3F2F4IO130          | Lens - Green<br>Flush - Black<br>Flush - Red |  |
| Pilot light for direct connect up to 130V                                               | AS2PLLA3<br>AS2PLLA4      | Green<br>Red                                 |  |
| Pilot light with resistor and diode for 230VAC bulb 130V                                | AS2PLLA5<br>AS2PLLA6      | Amber<br>Blue                                |  |
| Pilot light with transformer for 230V, bulb 24V                                         | AS2PLLA4<br>AS2PLLA3      | Red<br>Green                                 |  |