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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



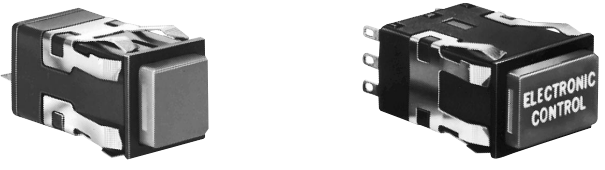
# Manual Switches

## Electronic Control Pushbutton

AML21 Series

**INCANDESCENT OR NON-LIGHTED DISPLAY**

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Buttons	page 43
Lamps and LEDs	page 58
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Buttons ordered separately.

- FEATURES**
- 1, 2, or 4 poles.
  - Silver or gold contacts.
  - Full guard bezel option.
  - Momentary or 2-level alternate action (push-on, push-off).
  - UL recognized, CSA certified.
  - Lamps can be furnished installed or ordered separately.
  - Lamp circuit independent of switch circuit.



\*AML21 Series: 1 pole and 2-pole only.

**AML21 ORDER GUIDE**  
**AML21 B**

Housing Type	
<b>Standard Bezel:</b>	
<b>AML21B</b>	Square Non-Lighted
<b>AML21C</b>	Square 1 Lamp Ckt.
<b>AML21E</b>	Rect. Non-Lighted
<b>AML21F</b>	Rect. 1 Lamp Ckt.
<b>AML21G</b>	Rect. 2 Lamp Ckts.
<b>Full Guard Bezel:</b>	
<b>AML21H</b>	Square Non-Lighted
<b>AML21J</b>	Square 1 Lamp Ckt.
<b>AML21K</b>	Rect. Non-Lighted
<b>AML21L</b>	Rect. 1 Lamp Ckt.
<b>AML21M</b>	Rect. 2 Lamp Ckts.

Bezel Color
<b>B</b> Black

Incandescent Lamp Type
<b>A</b> No Lamp Installed
<b>B</b> 6 V Lamp*
<b>C</b> 14 V Lamp*
<b>E</b> 28 V Lamp*

Terminal Type
<b>2</b> .110 × .020 (Solder or Quick-Connect)
<b>3</b> .025 × .025 (Printed Ckt. or Push-On)

Circuitry Codes (Each pole has double-throw)	
Silver Contacts	Mom. Action <b>AA</b> 1-Pole <b>AC</b> 2-Pole <b>CC</b> 4-Pole
	Alt. Action <b>AB</b> 1-Pole <b>AD</b> 2-Pole <b>CD</b> 4-Pole
Gold Contacts	Mom. Action <b>BA</b> 1-Pole <b>BC</b> 2-Pole <b>DC</b> 4-Pole
	Alt. Action <b>BB</b> 1-Pole <b>BD</b> 2-Pole <b>DD</b> 4-Pole
	Mom. Action <b>EA</b> 1-Pole <b>EC</b> 2-Pole
Gold-Plated Silver Contacts	Alt. Action <b>EB</b> 1-Pole <b>ED</b> 2-Pole

\* Lamps will be installed per each lamp circuit specified in the Housing Type.

Example: **AML21BBA2AA**  
Square pushbutton switch housing non-lighted; black bezel; .110 × .020 termination; momentary action; 1-pole, double-throw; silver contacts.

# Manual Switches

## Electronic Control Pushbutton

### LED DISPLAY



Buttons with LED "window" ordered separately.  
LEDs are not replaceable.

### FEATURES

- Identical to AML21 switches, except furnished with high efficiency LED display.
- Rectangular LED's are flush with button surface, providing wide angle indication.
- Optional diode protection for LED's.
- 5 thru 24 VDC LED devices have an internal resistor to maintain current at nominal 20 mA.
- UL recognized, CSA certified.
- LED circuit independent of switch circuit.

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Buttons	pages 42, 43
Lamps and LEDs	page 58
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Mounting Dimensions	pages 59, 62



\*AML22 Series: 1 pole and 2-pole only.

### AML22 ORDER GUIDE

#### AML22 C

##### Housing Type

**Standard Bezel:**  
**AML22C** Square 1 LED  
**AML22H** Square 1 High-Profile LED (For use with AML52-A buttons)

**Full Guard Bezel:**  
**AML22J** Square 1 LED

#### B

##### Bezel Color

**B**  
Black

#### B

##### LED Color/ Voltage

**Red**  
**B** V\*  
**C** 5V  
**D** 10V  
**E** 15V  
**F** 24V  
**Yellow**  
**H** V\*  
**J** 5V  
**K** 10V  
**L** 15V  
**M** 24V  
**Green**  
**R** V\*  
**S** 5V  
**T** 10V  
**W** 15V  
**X** 24V

#### 2

##### Terminal Type

**2**  
.110 × .020  
(Solder or Quick-Connect)

**3**  
.025 × .025  
(Printed Ckt., or Push-On)

**8**  
.110 × .020  
With Diode Protection for LED

#### AA

##### Circuitry Codes (Each pole has double-throw)

Silver Contacts	Mom. Action <b>AA</b> 1-Pole <b>AC</b> 2-Pole <b>CC</b> 4-Pole
	Alt. Action <b>AB</b> 1-Pole <b>AD</b> 2-Pole <b>CD</b> 4-Pole
Gold Contacts	Mom. Action <b>BA</b> 1-Pole <b>BC</b> 2-Pole <b>DC</b> 4-Pole
	Alt. Action <b>BB</b> 1-Pole <b>BD</b> 2-Pole <b>DD</b> 4-Pole
Gold-Plated Silver Contacts	Mom. Action <b>EA</b> 1-Pole <b>EC</b> 2-Pole
	Alt. Action <b>EB</b> 1-Pole <b>ED</b> 2-Pole

Manuals

\* See LED information for devices without current limiting resistor, page 58.

Example: **AML22CBB2AA**

Square pushbutton switch housing with one LED, black bezel; red LED (without resistor); .110 × .020 termination; momentary action, 1-pole, double-throw; silver contacts.

### CONTACT ARRANGEMENT

1, 2 or 4 poles: Form C

