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Sensing and Control
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Sensing and Control

Honeywell Inc.

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Freeport, IL 61032

www.honeywell.com/sensing

Manual Switches

Electronic Control Pushbutton

AML21 Series

INCANDESCENT OR NON-LIGHTED DISPLAY



Buttons ordered separately.

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Buttons	page 30/31
Lamps and LEDs	page 46
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Mounting Dimensions	pages 47/50

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	Bezel Color	Incandescent Lamp Type	Terminal Type	Circuitry Codes (Each pole has double-throw)	
Standard Bezel: AML21B Square Non-Lighted AML21C Square 1 Lamp Ckt. AML21E Rect. Non-Lighted AML21F Rect. 1 Lamp Ckt. AML21G Rect. 2 Lamp Ckts.	B Black	A No Lamp Installed	2 .110 × .020 (Solder or Quick-Connect) 3 .025 × .025 (Printed Ckt. or Push-On)	Silver Contacts	Mom. Action AA 1-Pole AC 2-Pole CC 4-Pole
Full Guard Bezel: AML21H Square Non-Lighted AML21J Square 1 Lamp Ckt. AML21K Rect. Non-Lighted AML21L Rect. 1 Lamp Ckt. AML21M Rect. 2 Lamp Ckts.		B 6 V Lamp*			Alt. Action AB 1-Pole AD 2-Pole CD 4-Pole
		C 14 V Lamp*		Gold Contacts	Mom. Action BA 1-Pole BC 2-Pole DC 4-Pole
		E 28 V Lamp*			Alt. Action BB 1-Pole BD 2-Pole DD 4-Pole
				Gold-Plated Silver Contacts	Mom. Action EA 1-Pole EC 2-Pole
					Alt. Action EB 1-Pole ED 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

AML22 Series

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.

Electrical Data	page 11
Buttons	pages 30/31
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*AML22 Series: 1 pole and 2-pole only.

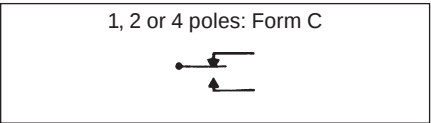
AML22 ORDER GUIDE

AML22 C					AA	
Housing Type	Bezel Color	LED Color/ Voltage	Terminal Type	Circuitry Codes (Each pole has double-throw)		Manuals
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 Black	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 .110 × .020 (Solder or Quick-Connect) 3 .025 × .025 (Printed Ckt., or Push-On) 8 .110 × .020 With Diode Protection for LED	Silver Contacts	Mom. Action AA 1-Pole AC 2-Pole CC 4-Pole	
					Alt. Action AB 1-Pole AD 2-Pole CD 4-Pole	
				Gold Contacts	Mom. Action BA 1-Pole BC 2-Pole DC 4-Pole	
					Alt. Action BB 1-Pole BD 2-Pole DD 4-Pole	
				Gold-Plated Silver Contacts	Mom. Action EA 1-Pole EC 2-Pole	
					Alt. Action EB 1-Pole ED 2-Pole	

* See LED information for devices without current limiting resistor, page 46.

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.

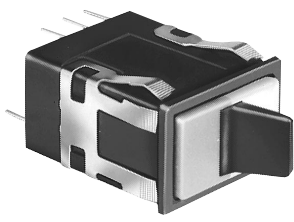
CONTACT ARRANGEMENT



Manual Switches
Electronic Control Paddle

AML23 Series

INCANDESCENT OR NON-LIGHTED DISPLAY



Covers ordered separately.

FEATURES

- Silver or gold contacts.
- 1, 2 or 4 poles.
- Toggle type paddle operators permanently installed in rectangular housings.
- Covers for the switch housing may be lighted or unlighted.
- UL recognized, CSA certified.
- Lamps can be furnished installed or ordered separately.
- Lamp circuit independent of switch circuit.

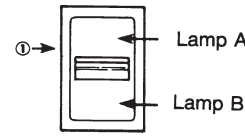
Table with 2 columns: Feature, Page. Rows include Electrical Data (page 11), Paddle Covers (page 35), Lamps and LEDs (page 46), Accessories (page 45), Mounting Dimensions (pages 47/50).

UL, CSA, DVE, CE certification logos. Text: *AML23 Series: 1 pole and 2-pole only.

*AML23 ORDER GUIDE

Order guide table with columns: Housing Type, Operator/Bezel Color, Incandescent Lamp Type, Terminal Type, Circuitry Codes, Operating Action. Includes sub-sections for AML23 E, F, G and A, B, C, E lamp types.

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



The "MICRO SWITCH" identification is shown on this side of the switch housings.

Example: AML23EBA2AA01
Rectangular non-lighted paddle switch housing; black paddle and bezel; .110 x .020 terminals; with one circuit ON and one circuit OFF in each extreme operator position (maintained).

CIRCUITRY

Table showing circuitry diagrams for Silver/Gold contacts and 2-Position/3-Position switches. Includes terminal block diagrams and wiring configurations.

OPERATING ACTION

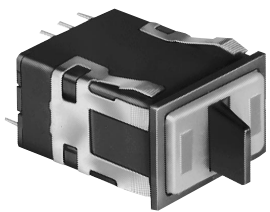
Table showing operating action for 2-Position and 3-Position switches. Columns include Maint., Action Code (e.g., 01, 02, 03), and Mom. (Momentary).

Manual Switches

Electronic Control Paddle

AML25 Series

LED DISPLAY



Covers with LED "window" ordered separately.

FEATURES

- Identical to AML23, except furnished with one or two rectangular high efficiency LED's which give flush display area and wide angle indication.
- Available with or without diode protection for LED's.
- LED circuit independent of switch circuit.

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Paddle Covers	page 36
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Accessories	page 45
Mounting Dimensions	pages 47/50

- 5 thru 24 VDC devices have internal resistor to maintain current at nominal 20 mA.
- UL recognized, CSA certified.



*AML25 Series: 1 pole and 2-pole only.

AML25 ORDER GUIDE

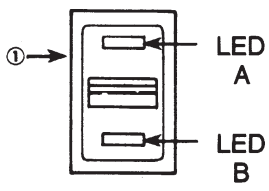
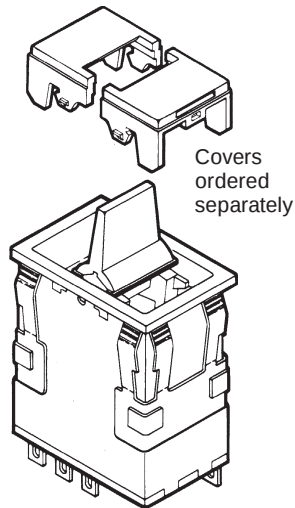
AML25 F

Housing Type	Operator/ Bezel Color	LED Voltage	Terminal Type/ Diode Protection	Circuitry Codes	Operating Code	LED Color (LED A)	LED Color (LED B)
AML25 F Rectangular 1 LED	B Black/Black	B V*	2 .110 × .020 (Solder or Q-C)	Insert code letters as shown in Circuitry Chart	Insert code numbers from Operating Action Chart	R Red	R Red
AML25 G Rectangular 2 LED's		C 5 V	3 .025 × .025 (Printed Ckt., or Push-On)	LED version available only with AA BA CA DA circuitry		Y Yellow	Y Yellow
		D 10 V	8 .110 × .020 w/Diode protection			G Green	G Green
		E 15 V				X No LED	X No LED
		F 24 V					

* See LED application information for devices without current-limiting resistor, page 46.

Example: **AML25FBB2AA01RX**
Rectangular paddle switch; illuminated with one red LED, this device has a black paddle and bezel, and .110 × .020 terminals; with one circuit ON and one circuit OFF in each extreme operator position (maintained).

NOTE: For further information on replacement LED's, call the 800 number.



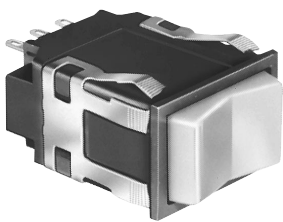
① The "MICRO SWITCH" identification is shown on this side of the switch housings.

Manuals

Manual Switches
Electronic Control Rocker

AML24 Series

INCANDESCENT OR NON-LIGHTED DISPLAY



Rocker operators ordered separately.

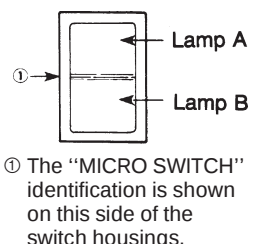
- Silver or gold contacts.
- 2 or 3 position operation.
- UL recognized, CSA certified.
- Lamps can be furnished installed or ordered separately.
- Lamp circuit independent of switch circuit.

Electrical Data page 11
Rockers page 39
Lamps page 46
Accessories pages 44/45
Mounting Dimensions pages 47/50

UL, CSA, DVE, CE certification logos.
*AML24 Series: 1 pole and 2-pole only.

AML24 ORDER GUIDE
AML24 E

Order guide form with sections: Housing Type (AML24 E, F, G), Bezel Color (B), Incandescent Lamp Type (A, B, C, E), Terminal Type (2, 3), Circuitry Codes (AA), and Operating Action (01).



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

Example: AML24EBA2AA01
Rectangular non-lighted rocker switch housing; black bezel; .110 x .020 terminals; with one circuit ON and one circuit OFF in each extreme operator position (maintained).

CIRCUITRY

Table showing circuit diagrams for Silver and Gold contacts in 2-Position and 3-Position configurations. Includes terminal block diagrams for 3, 2, 1 and 6, 5, 4 terminals.

OPERATING ACTION

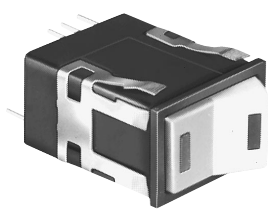
Table showing operating action for 2-Position and 3-Position switches. Columns include Maint., Mom., and specific action codes (01, 02, 03, 04, 05, 06, 07).

Manual Switches

Electronic Control Rocker

AML26 Series

LED DISPLAY



Rocker operators ordered separately.
LEDs are not replaceable.

FEATURES

- Identical to AML24, except furnished with one or two rectangular high efficiency LED's which give flush display area and wide angle indication.
- Available with or without diode protection for LED's.
- LED circuit independent of switch circuit.

Electrical Data	page 11
Rockers	page 40
Lamps and LEDs	page 46
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Mounting Dimensions	pages 47/50

- 5 thru 24 VDC LED devices have internal resistor to maintain current at nominal 20 mA.
- UL recognized, CSA certified.



*AML26 Series: 1 pole and 2-pole only.

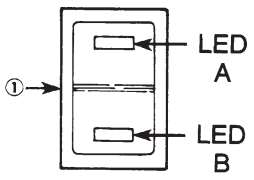
AML26 ORDER GUIDE

AML26 F

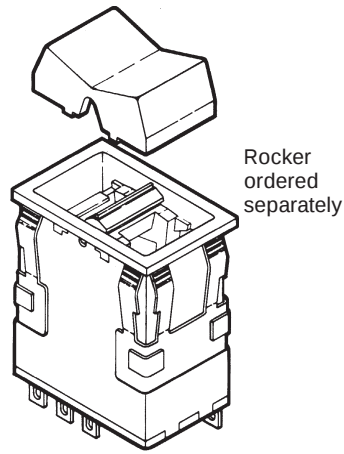
Housing Type	Bezel Color	LED Voltage	Terminal Type/ Diode Protection	Circuitry Codes	Operating Action	LED Color (LED A)	LED Color (LED B)
AML26 F 1 LED	B Black	B V*	2 .110 × .020 (Solder or Quick-Connect)	Insert code letters as shown in Circuitry Chart	Insert code numbers from Operating Action Chart	R Red	R Red
AML26 G 2 LED's		C 5 V	3 .025 × .025 (Printed Ckt., or Push-On)	LED version available only with AA BA CA DA circuitry		Y Yellow	Y Yellow
		D 10 V	8 .110 × .020 w/Diode for LED protection			G Green	G Green
		E 15 V				X No LED	X No LED
		F 24 V					

* See LED application information for devices without current-limiting resistor, page 46.

Example: **AML26FBB2AA01RX**
Rectangular rocker switch; illuminated with one LED, this device has a black bezel, .110 × .020 terminals; with one circuit ON and one circuit OFF in each extreme operator position (maintained).



① The "MICRO SWITCH" identification is shown on this side of the switch housings.

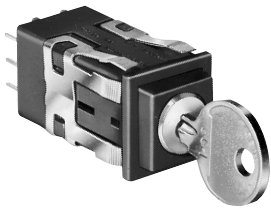


Rocker ordered separately

Manuals

AML27 Series

FEATURES



- | | |
|---------------------|-------------|
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- UL recognized, CSA certified.
- Static discharge protection (up to 20 kV when grounded).

AML27 A

Housing Type	Bezel Color	Button Color	Terminal Type	Circuitry Codes (Each pole has double-throw)	Operation Action (Key out in center position, except where noted)			Key  Combinations	
AML27 A	B Black	K Black	2 .110 × .020 (Solder or Quick-Connect)	Silver Contacts:	CCW	Center	CW	(Two Keys Furnished)	
Square housing			3 .025 × .025 (Printed Circuit or Push-On)	AA 1 pole	None	21 Maint.	Maint.	BA	BS
Non-Lighted				AC 2 pole	None	22* Maint.	Maint.	BB	BT
				Gold Contacts:		23 Maint.	Mom.	BD	BV
				BA 1 pole	None	24 Maint.	Maint.	BE	BW
				BC 2 pole	Maint.	25			

One key per listing.

Key Combination	Key Code	Catalog Listing
BA	110	30PA101-AML
BB	109	30PA102-AML
BD	107	30PA104-AML
BE	106	30PA105-AML
BS	117	30PA117-AML
BT	118	30PA118-AML
BV	119	30PA119-AML
BW	120	30PA120-AML

Square housing; black bezel and button; .110 × .020 terminals; 2-pole double-throw; silver contacts; 3-position maintained and key code "BB".

2-Position Switches:

	Normal Position*	Key Turned to Right (CW)
1 Pole		
2 Pole		

3-Position Switches (Available in 2-pole only.)

	Key Turned to Left (CCW)	Normal Position*	Key Turned to Right (CW)
2 Pole			

* Circuit remains the same with key in or out.