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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.

Electrical Data	page 11
Buttons	page 30/31
Lamps and LEDs	page 46
Accessories	pages 44/45
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.

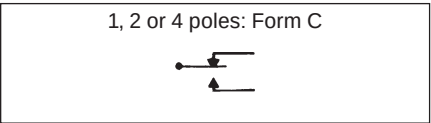
AML22 ORDER GUIDE

AML22 C					B		B		2		AA	
Housing Type					Bezel Color		LED Color/ Voltage		Terminal Type		Circuitry Codes (Each pole has double-throw)	
Standard Bezel: AML22C Square 1 LED AML22H Square 1 High-Profile LED (For use with AML52-A buttons)					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	
Full Guard Bezel: AML22J Square 1 LED											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

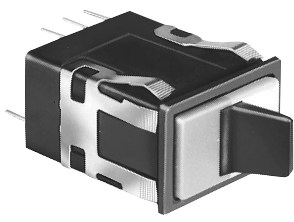


Manuals

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.

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Paddle Covers	page 35
Lamps and LEDs	page 46
Accessories	page 45
Mounting Dimensions	pages 47/50

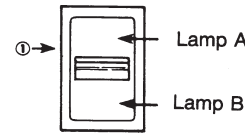


*AML23 Series: 1 pole and 2-pole only.

*AML23 ORDER GUIDE

Housing Type	Operator/Bezel Color	Incandescent Lamp Type	Terminal Type	Circuitry Codes	Operating Action
AML23 E Rectangular Non-Lighted	B Black/Black	A No Lamp Installed	2 .110 × .020 (Solder or Quick-Connect)	AA Insert Code letters as shown in Circuitry Chart	01 Insert Code numbers from Operating Action Chart
AML23 F Rectangular 1 Lamp Ckt. (A)		B 6 V Lamp*	3 .025 × .025 (Printed Ckt., or Push-on)		
AML23 G Rectangular 2 Lamp Ckts. (A & B)		C 14 V Lamp*			
		E 28 V Lamp*			

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



① 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 × .020 terminals; with one circuit ON and one circuit OFF in each extreme operator position (maintained).

CIRCUITRY

Silver Contacts	Gold Contacts	2-Position	3-Position	
AA	BA			
AC	BC			
(Non-illuminated switches only)				
CA	DA			
CC	DC			
(Non-illuminated switches only)				

OPERATING ACTION

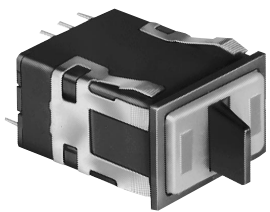
2-Position:		
Maint.	01 None	Maint.
Mom.	02 None	Maint.
Maint.	03 None	Mom.
3-Position:		
Maint.	04 Maint.	Maint.
Mom.	05 Maint.	Mom.
Maint.	06 Maint.	Mom.
Mom.	07 Maint.	Maint.

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.

Electrical Data	page 11
Paddle Covers	page 36
Lamps and LEDs	page 46
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- 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

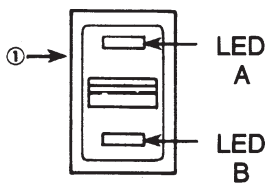
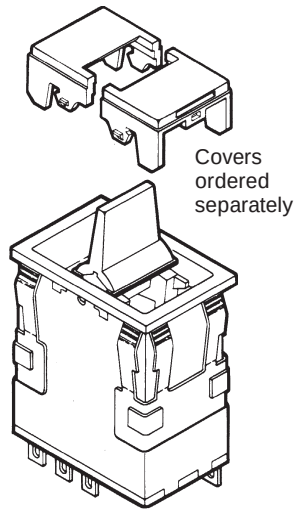
AML25 F

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.



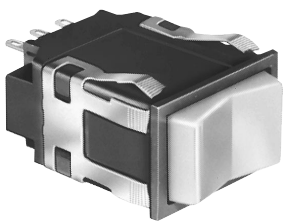
① The "MICRO SWITCH" identification is shown on this side of the switch housings.

Manuals

Manual Switches
Electronic Control Rocker

AML24 Series

INCANDESCENT OR NON-LIGHTED DISPLAY



Rocker operators ordered separately.

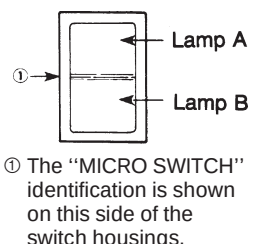
- Silver or gold contacts.
- 2 or 3 position operation.
- UL recognized, CSA certified.
- Lamps can be furnished installed or ordered separately.
- Lamp circuit independent of switch circuit.

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 fields for Housing Type, Bezel Color, Incandescent Lamp Type, Terminal Type, Circuitry Codes, and Operating Action.



* 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 numbers and wiring diagrams.

OPERATING ACTION

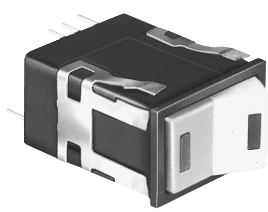
Table showing operating action for 2-Position and 3-Position switches, including Maint., Mom., and None states for various codes.

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.

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Rockers	page 40
Lamps and LEDs	page 46
Accessories	page 45
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.

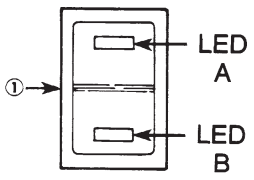
AML26 ORDER GUIDE

AML26 F

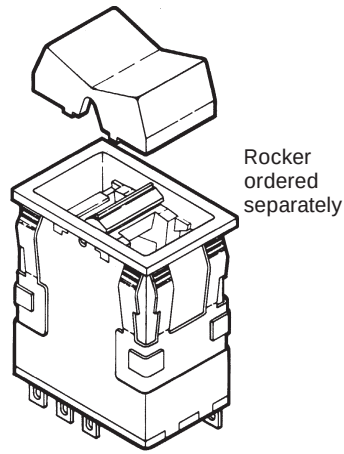
Housing Type	Bezel Color	LED Voltage	Terminal Type/ Diode Protection	Circuitry Codes	Operating Action	LED Color (LED A)	LED Color (LED B)
AML26 F 1 LED	B Black	B V*	2 .110 × .020 (Solder or Quick-Connect)	Insert code letters as shown in Circuitry Chart	Insert code numbers from Operating Action Chart	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		Y Yellow	Y Yellow
		D 10 V	8 .110 × .020 w/Diode for LED protection	BA		G Green	G Green
		E 15 V		CA		X No LED	X No LED
		F 24 V		DA circuitry			

* 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

Manual Switches
Electronic Control Keylock

AML27 Series

NON-LIGHTED



FEATURES

- Enable control of access to computer peripherals, keyboards, point-of-sale terminals, and security systems which are locked when unattended; and other locations where tampering must be discouraged.
- 2 or 3 positions, maintained (90° throw) and momentary action (60° throw).
- 5-bit key combinations

Electrical Data	page 11
Accessories	pages 44/45
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- UL recognized, CSA certified.
- Static discharge protection (up to 20 kV when grounded).

AML27 ORDER GUIDE

AML27 A	B	K	2	AA	21	BA
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	K	2	Silver Contacts: AA	CCW	(Two Keys Furnished)
Square housing	Black	Black	.110 x .020 (Solder or Quick-Connect)	1 pole AC	Center	BA BS
Non-Lighted			3	2 pole BC	CW	BB BT
			.025 x .025 (Printed Circuit or Push-On)	Gold Contacts: BA		BD BV
				1 pole		BE BW
				2 pole		

REPLACEMENT KEYS

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

Specify different Key Combinations to acquire different keys, i.e.; AML27ABK2AA21BB and AML27ABK2AA21BE have different keys. AML27ABK2AA21BB and AML27ABK3BC25BB have identical interchangeable keys. Example: AML27ABK2AC28BB Square housing; black bezel and button; .110 x .020 terminals; 2-pole double-throw; silver contacts; 3-position maintained and key code "BB".

CIRCUITRY

2-Position Switches:

	Normal Position*	Key Turned to Right (CW)
1 Pole	3 2 1	3 2 1
2 Pole	3 2 1 6 5 4	3 2 1 6 5 4

Note: These keys fit the 5-bit keylocks in the Order Guide.

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

	Key Turned to Left (CCW)	Normal Position*	Key Turned to Right (CW)
2 Pole	3 2 1 6 5 4	3 2 1 6 5 4	3 2 1 6 5 4

* Circuit remains the same with key in or out.