Manual Switches
Electronic Control Pushbutton

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 **B** **A** **2** **AA**

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. **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** Black	**A** No Lamp Installed **B** 6 V Lamp* **C** 14 V Lamp* **E** 28 V Lamp*	**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
					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

* 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.

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胜特力电子(上海) 86-21-34970699
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Http://www.100y.com.tw

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
Lamps and LEDs	page 46
Accessories	pages 44/45
Mounting Dimensions	pages 47/50

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

AML22 ORDER GUIDE

AML22 C **B** **B** **2** **AA**

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

Bezel Color

B Black

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

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

Circuitry Codes (Each pole has double-throw)

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.

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CONTACT ARRANGEMENT

1, 2 or 4 poles: Form C

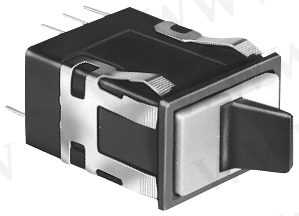


Manuals

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Manual Switches
Electronic Control Paddle

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

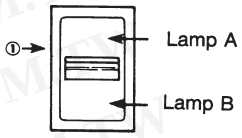
*AML23 Series: 1 pole and 2-pole only.

*AML23 ORDER GUIDE

AML23 E | **B** | **A** | **2** | **AA** | **01**

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

* 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

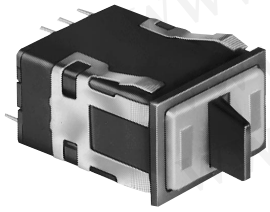
Silver Contacts	Gold Contacts	2-Position		3-Position			
AA	BA	3 2 1	3 2 1	3 2 1	3 2 1	3 2 1	3 2 1
AC	BC	3 2 1 6 5 4	3 2 1 6 5 4	3 2 1 6 5 4	3 2 1 6 5 4	3 2 1 6 5 4	6 3 5 2 4 1
(Non-illuminated switches only)							
CA	DA	3 2 1 6 5 4	3 2 1 6 5 4	3 2 1 6 5 4	3 2 1 6 5 4	3 2 1 6 5 4	6 5 4 3 2 1
CC	DC	3 2 1 6 5 4 9 8 7 12 11 10	3 2 1 6 5 4 9 8 7 12 11 10	3 2 1 6 5 4 9 8 7 12 11 10	3 2 1 6 5 4 9 8 7 12 11 10	3 2 1 6 5 4 9 8 7 12 11 10	12 6 11 5 10 4 9 3 8 2 7 1
(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.

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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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.

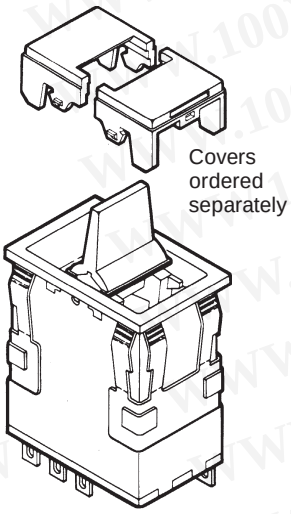
AML25 ORDER GUIDE

AML25 F	B	B	2	AA	01	R	X
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 **AML25 G** Rectangular 2 LED's	**B** Black/Black	**B** V* **C** 5 V **D** 10 V **E** 15 V **F** 24 V	**2** .110 × .020 (Solder or Q-C) **3** .025 × .025 (Printed Ckt., or Push-On **8** .110 × .020 w/Diode protection	Insert code letters as shown in Circuitry Chart LED version available only with **AA** **BA** **CA** **DA** circuitry	Insert code numbers from Operating Action Chart	**R** Red **Y** Yellow **G** Green **X** No LED	**R** Red **Y** Yellow **G** Green **X** No LED

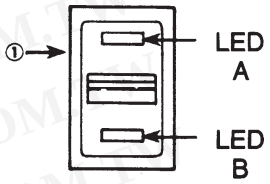
*See LED application information for devices without current-limiting resistor, page 46.

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.



Covers ordered separately



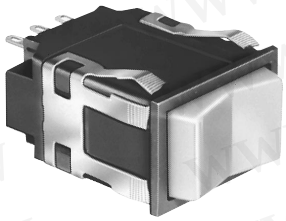
① The ''MICRO SWITCH'' identification is shown on this side of the switch housings.

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Manuals

Manual Switches
Electronic Control Rocker

INCANDESCENT OR NON-LIGHTED DISPLAY



Rocker operators ordered separately.

FEATURES

- 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.

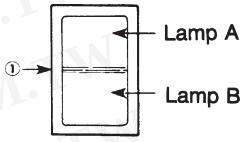
Electrical Data	page 11
Rockers	page 39
Lamps	page 46
Accessories	pages 44/45
Mounting Dimensions	pages 47/50

*AML24 Series: 1 pole and 2-pole only.

AML24 ORDER GUIDE

AML24 E	B	A	2	AA	01
Housing Type	**Bezel Color**	**Incandescent Lamp Type**	**Terminal Type**	**Circuitry Codes**	**Operating Action**
AML24 E Rectangular Non-Lighted **AML24 F** Rectangular 1 Lamp Ckt. (A) **AML24 G** Rectangular 2 Lamp Ckts.	**B** Black	**A** No Lamp Installed **B** 6 V Lamp* **C** 14 V Lamp* **E** 28 V Lamp*	**2** .110 × .020 (Solder or Quick-Connect) **3** .025 × .025 (Printed Ckt., or Push-on)	Insert Code letters as shown in Circuitry Chart	Insert Code numbers from Operating Action Chart

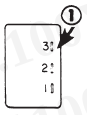
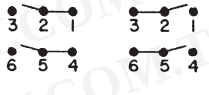
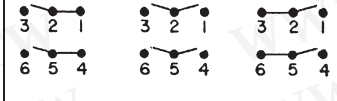
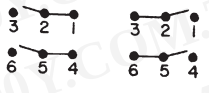
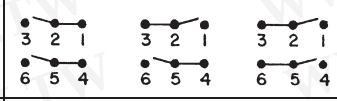
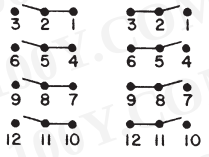
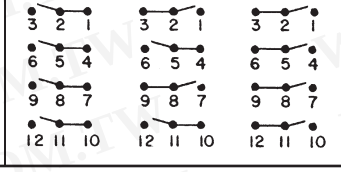
* Lamps will be installed per each lamp circuit specified in the Housing Type.



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

Example: **AML24EBA2AA01**
Rectangular non-lighted rocker switch housing; black 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)			

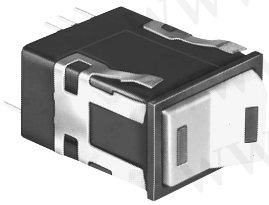
OPERATING ACTION



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.

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

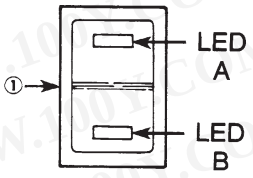
*AML26 Series: 1 pole and 2-pole only.

AML26 ORDER GUIDE

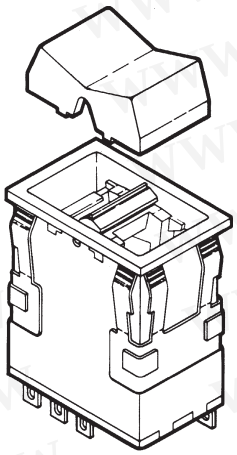
AML26 F	B	B	2	AA	01	R	X
Housing Type	**Bezel Color**	**LED Voltage**	**Terminal Type/ Diode Protection**	**Circuitry Codes**	**Operating Action**	**LED Color (LED A)**	**LED Color (LED B)**
AML26 F 1 LED **AML26 G** 2 LED's	**B** Black	**B** V* **C** 5 V **D** 10 V **E** 15 V **F** 24 V	**2** .110 × .020 (Solder or Quick-Connect **3** .025 × .025 (Printed Ckt., or Push-On) **8** .110 × .020 w/Diode for LED protection	Insert code letters as shown in Circuitry Chart LED version available only with **AA** **BA** **CA** **DA** circuitry	Insert code numbers from Operating Action Chart	**R** Red **Y** Yellow **G** Green **X** No LED	**R** Red **Y** Yellow **G** Green **X** No LED

* 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

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Manuals

Manual Switches
Electronic Control Keylock

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
Mounting Dimensions	pages 47/50

- 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)
AML27 A Square housing Non-Lighted	**B** Black	**K** Black	**2** .110 × .020 (Solder or Quick-Connect) **3** .025 × .025 (Printed Circuit or Push-On)	**Silver Contacts:** **AA** 1 pole **AC** 2 pole **Gold Contacts:** **BA** 1 pole **BC** 2 pole

Operation Action (Key out in center position, except where noted)

CCW	Center	CW
None	**21** Maint.	Maint.
None	**22*** Maint.	Maint.
None	**23** Maint.	Mom.
Maint.	**24** Maint.	Maint.
Mom.	**25** Maint.	Mom.
Maint.	**26**** Maint.	Maint.
Mom.	**27***** Maint.	Maint.
Maint.	**28***** Maint.	Maint.
Maint.	**29**† Maint.	Maint.
Maint.	**30**† Maint.	Mom.
Maint.	**31**†† Maint.	Mom.

* Key out in both positions.
** Key out in all three positions.
*** Key out in center and CW positions.

Key Combinations ⚠

(Two Keys Furnished)

BA	**BS**
BB	**BT**
BD	**BV**
BE	**BW**

28 and **29** operating actions should be used with Key Combinations BA and BB.

† Key out in center and CCW positions.
†† Key out in CCW only.

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

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

⚠ Specify different Key Combinations to acquire different keys, i.e.; AML27ABK2AA21**BB** and AML27ABK2AA21**BE** have different keys. AML27ABK2AA21**BB** and AML27ABK3BC25**BB** have identical interchangeable keys.

Example: **AML27ABK2AC28BB**
Square housing; black bezel and button; .110 × .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		
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.

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