

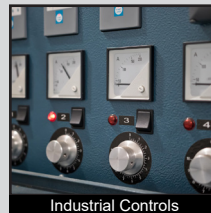
RA1 SERIES ROCKER SWITCH



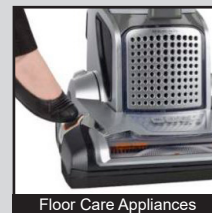
APPLICATIONS / MARKETS



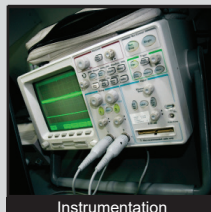
Commercial Appliances



Industrial Controls



Floor Care Appliances



Instrumentation



Medical/Dental



Electrical Housewares

RoHS

SPECIFICATIONS

Electrical Rating:

Option 3: 10A 125VAC [UR, cUR]

Option C: 16A 125VAC [UR, cUR]

10A 250VAC [UR, cUR]

Operating Temperature: -20°C to 55°C

Electrical Life: 10,000 Cycles

Contact Resistance: 30mΩ Max.

Insulation Resistance: 500MΩ Min. at 500VDC

Dielectric Strength: 1,000VAC for 1 min.

Ingress Protection: IP54 with PVC Cap (ACC-P01)

FEATURES & BENEFITS

- High Rating
- Snap in with multiple terminal options
- Many functions available

PART NUMBER CONFIGURATOR

Series	Terminal	Function	Rating	Body Color	Actuator Color	Marking Color	Marking Type	Lens Style	Lens Color	Lamp Voltage
RA1 Curved Actuator	1 4.8mm Tab	0 Signal / Blank	0 Signal / Blank	1 Black	0 Full Illumination	0 None	0 None	None Not Illuminated	None Not Illuminated	None Not Illuminated
RA1 - Curved Actuator	1 - 4.8mm Tab	0 - Signal / Blank	0 - Signal / Blank	1 - Black	0 - Full Illumination	0 - None	0 - None	None - Not Illuminated	None - Not Illuminated	None - Not Illuminated
		1 - Off - On	3 - 10A 125V	2 - White	1 - Black	1 - Black	1 - I/O	1 - Signal	0 - Clear	3 - 6V
		3 - On - On	C - 16A 125V	4 - Grey	2 - White	2 - White	2 - ON-OFF-ON		1 - Red	4 - 12V
		4 - Off - (On)			4 - Grey	8 - Red	Vertical		2 - Amber	6 - 125V
		5 - On - Off - On			7 - Blue		3 - ON-OFF		3 - Green	7 - 250V
		A - On - (Off)			8 - Green		Vertical		4 - Blue	
		C - On - Off - (On)			9 - Red		4 - ON-OFF		5 - Yellow	
							Horizontal			
							9 - I/O/II			
							Horizontal			
							R - I/O			
							Horizontal			
							S - I/O/II			
							Vertical			

NOTES:

1. Other terminal options available upon request.
2. () denotes function is momentary

Specifications subject to change without notice 11.3.2022



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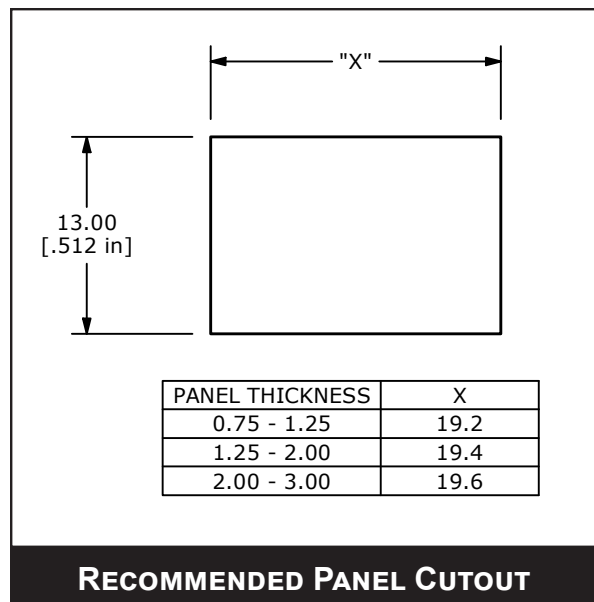
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1

RA1 SERIES ROCKER SWITCH

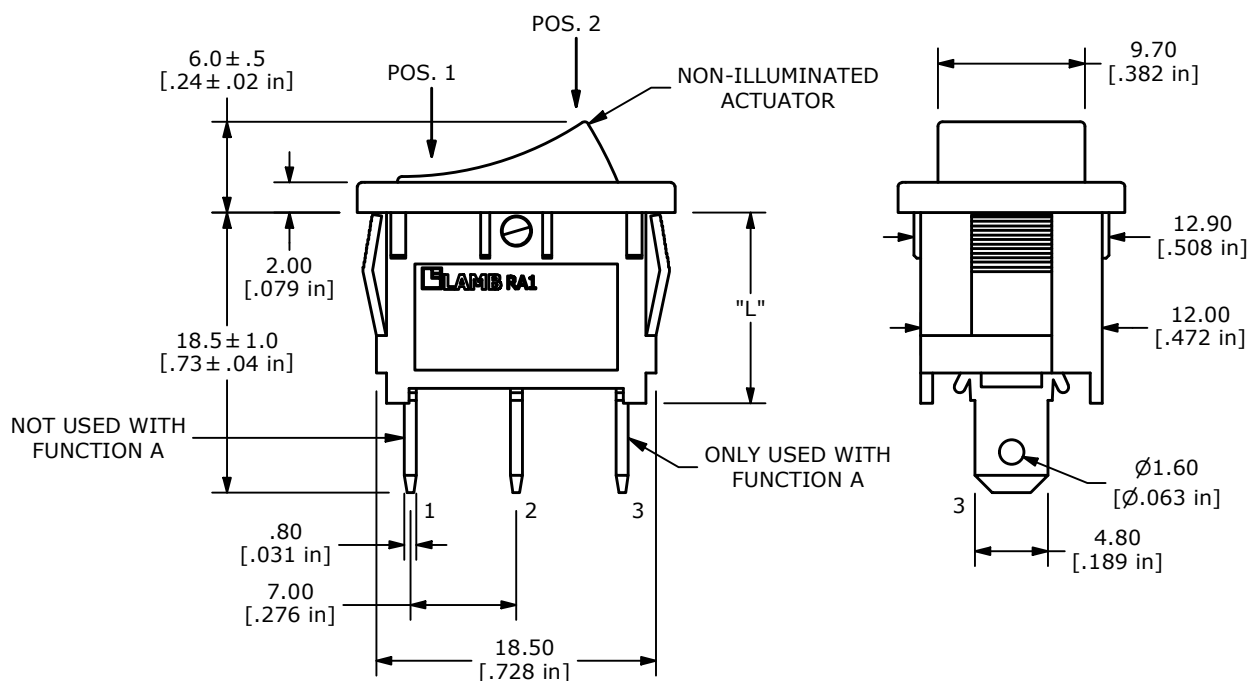
2 POS. NON-ILLUMINATED BODY DIMENSIONS



SWITCH FUNCTIONS	POS. 1	POS. 2
1 - OFF - ON	OPEN	2-1
4 - OFF - (ON)	OPEN	2-1
A - ON - (OFF)	2-3	OPEN

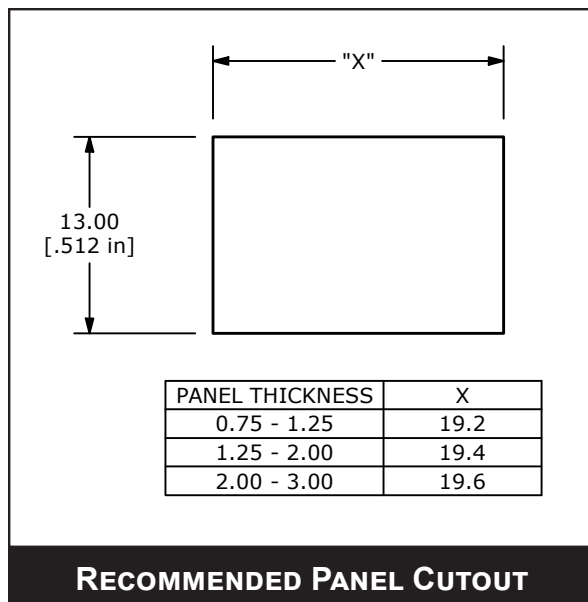
() = DENOTES MOMENTARY

RATING	"L"
3	11.6
C	12.6



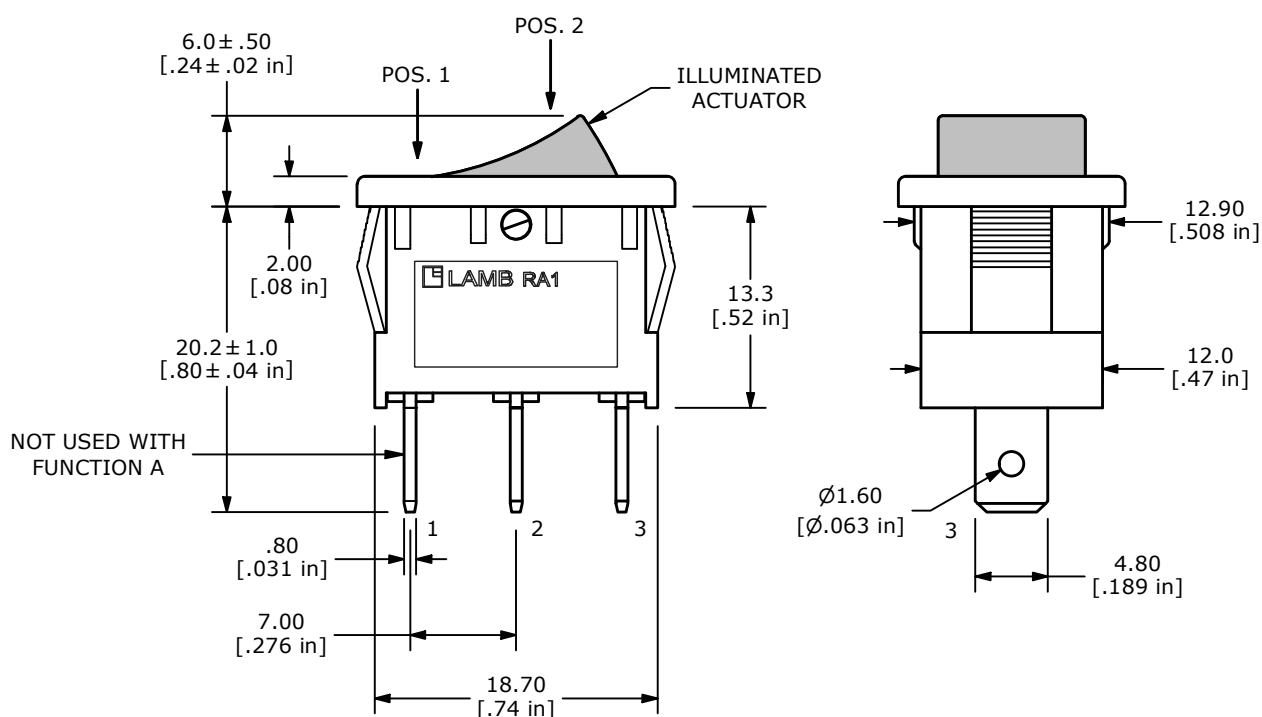
RA1 SERIES ROCKER SWITCH

2 POS. ILLUMINATED BODY DIMENSIONS



SWITCH FUNCTIONS	POS. 1	POS. 2
1 - OFF - ON	OPEN	2-1
4 - OFF - (ON)	OPEN	2-1
A - ON - (OFF)	2-3	OPEN

() = DENOTES MOMENTARY



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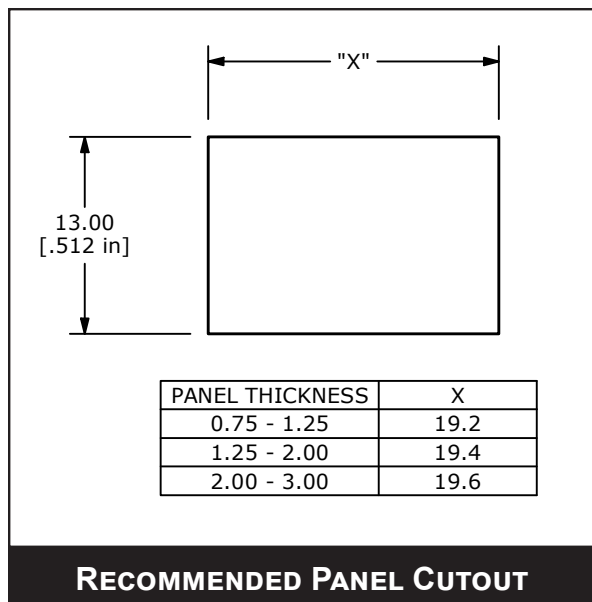
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3

RA1 SERIES ROCKER SWITCH

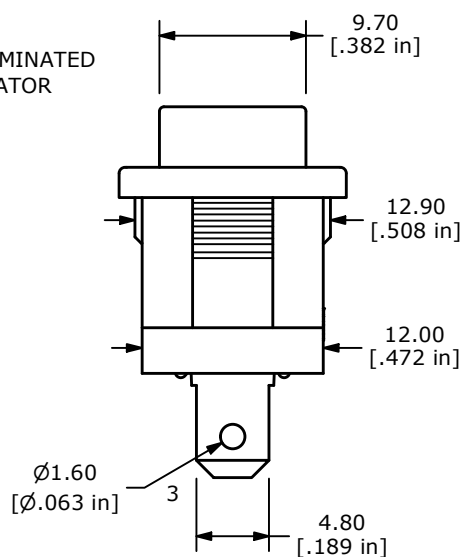
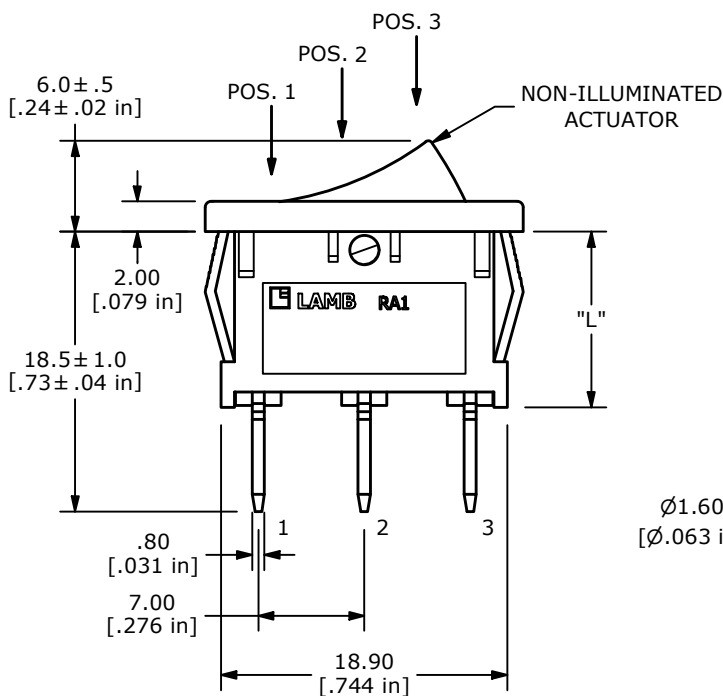
3 POS. NON-ILLUMINATED BODY DIMENSIONS



SWITCH FUNCTIONS	POS. 1	POS. 2	POS. 3
5 - ON-OFF-ON	2-3	OPEN	2-1
C - ON-OFF-(ON)	2-3	OPEN	2-1

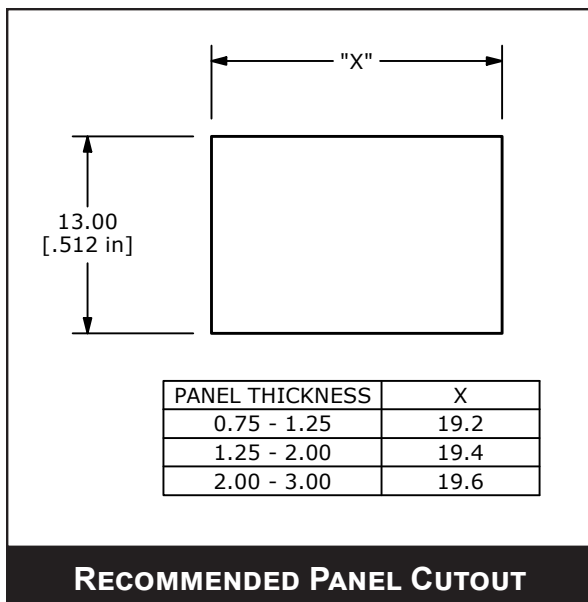
() = DENOTES MOMENTARY

RATING	"L"
3	11.6
C	12.6



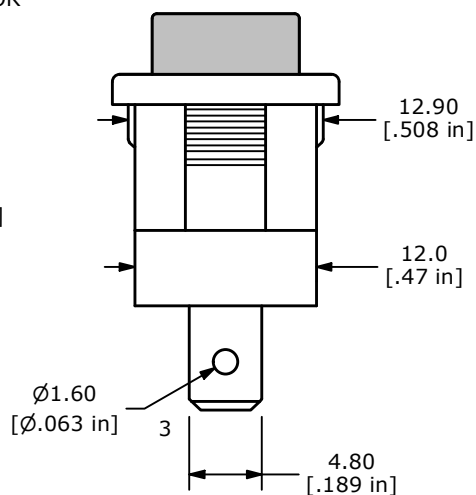
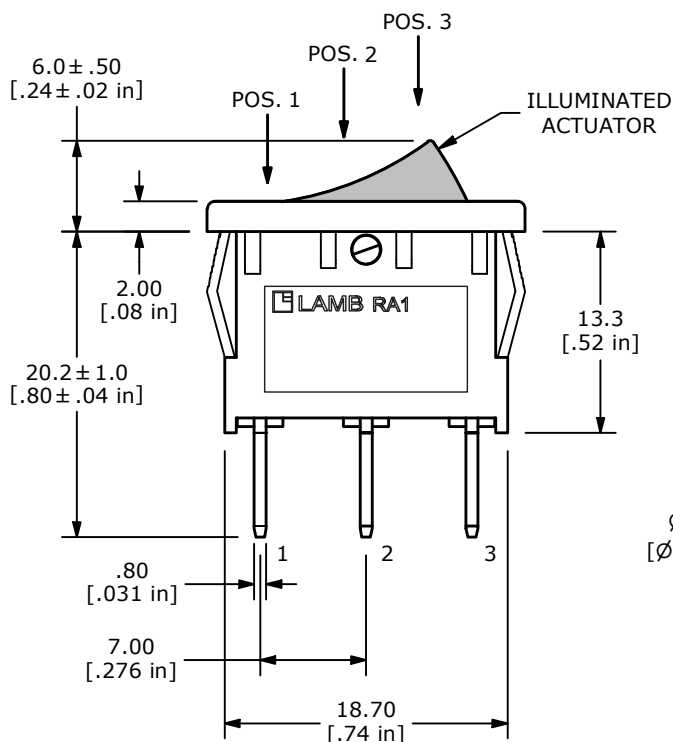
RA1 SERIES ROCKER SWITCH

3 POS. ILLUMINATED BODY DIMENSIONS



SWITCH FUNCTIONS	POS. 1	POS. 2	POS. 3
5 - ON-OFF-ON	2-3	OPEN	2-1
C - ON-OFF-(ON)	2-3	OPEN	2-1

() = DENOTES MOMENTARY

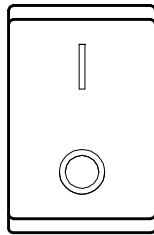


RA1 SERIES ROCKER SWITCH

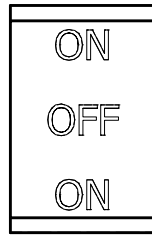
MARKING TYPE



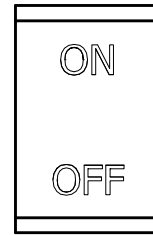
0 - NONE



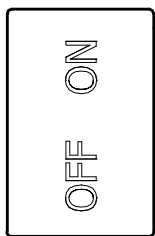
1 - I/O
VERTICAL



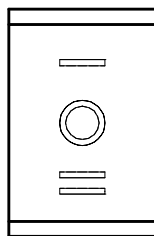
2 - ON/OFF/ON
VERTICAL



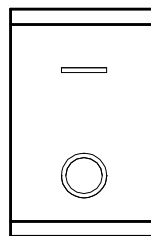
3 - ON-OFF
VERTICAL



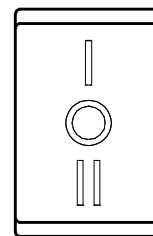
4 - ON-OFF
HORIZONTAL



9 - I/O/II
HORIZONTAL



R - I/O
HORIZONTAL



S - I/O/II
VERTICAL

ANTI-VANDAL
SWITCHES

DETECTOR
SWITCHES

DIP
SWITCHES

KEYLOCK
SWITCHES

NAVIGATION
SWITCHES

PUSHBUTTON
SWITCHES

ROCKER
SWITCHES

ROTARY
SWITCHES

SLIDE
SWITCHES

SNAP ACTION
SWITCHES

TACTILE
SWITCHES

TOGGLE
SWITCHES

CAP
OPTIONS



E-SWITCH®

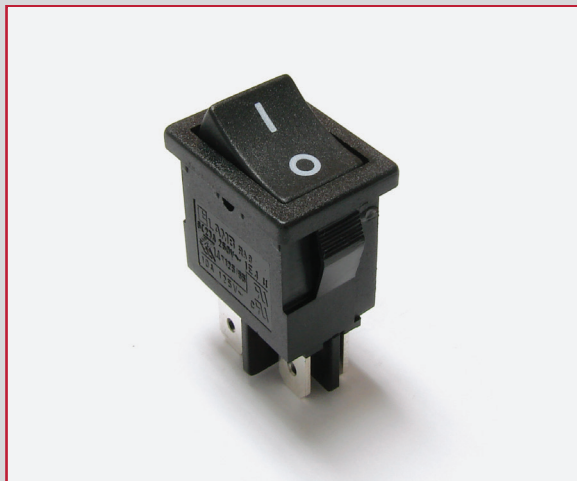
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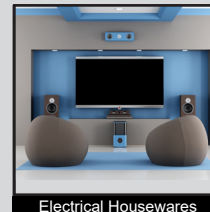
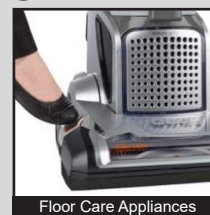
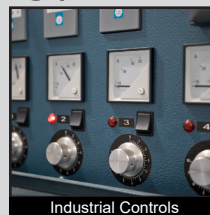
6

RA8 SERIES ROCKER SWITCH

ANTI-VANDAL SWITCHES
DETECTOR SWITCHES
DIP SWITCHES
KEYLOCK SWITCHES
NAVIGATION SWITCHES
PUSHBUTTON SWITCHES
ROCKER SWITCHES
ROTARY SWITCHES
SLIDE SWITCHES
SNAP ACTION SWITCHES
TACTILE SWITCHES
TOGGLE SWITCHES
CAP OPTIONS



APPLICATIONS / MARKETS



RoHS

SPECIFICATIONS

Electrical Rating:

Option 3: 10A 125VAC [cURus]

Option C: 16A @ 125VAC 1/3HP T105 [cURus]
10A @ 250VAC 1/3HP T105 [cURus]

Operating Temperature: -20°C to 105°C

Electrical Life: 10,000 Cycles

Mechanical Life: 100,000 Cycles

Contact Resistance: 35mΩ Max. at 500VDC

Insulation Resistance: 500MΩ Min. at 500VDC

Dielectric Strength: 1,500VAC for 1 min.

FEATURES & BENEFITS

- High Contact Rating Switch
- Industry Standard 13mm x 19mm Cutout
- Illumination Options
- Multiple Marking Options
- Multiple Terminal Options
- 1 or 2 Pole Maintained Functions

PART NUMBER CONFIGURATOR

Series	Terminal	Function	Rating	Body Color	Actuator Color	Marking Color	Marking Type	Lens Style	Lens Color	Lamp Voltage
RA8	1 - 4.8mm Tab 3 - PCB Pins	1 - 1 Pole Off-On 2 - 2 Pole Off-On	3 - 10A 125VAC C - 16A 125VAC	1 - Black 2 - White 4 - Grey	0 - Illuminated 1 - Black 2 - White 4 - Grey 9 - Red	0 - None 1 - Black 2 - White 8 - Red	0 - None 1 - I/O Vertical 3 - ON-OFF Vertical 4 - ON-OFF Horizontal R - I/O Horizontal	None - Not Illuminated 1 - Full	None - Not Illuminated 0 - White 1 - Red 2 - Orange 3 - Green	None - Not Illuminated 3 - 6V 4 - 12V 6 - 125V 7 - 250V

Specifications subject to change without notice 6.23.2022



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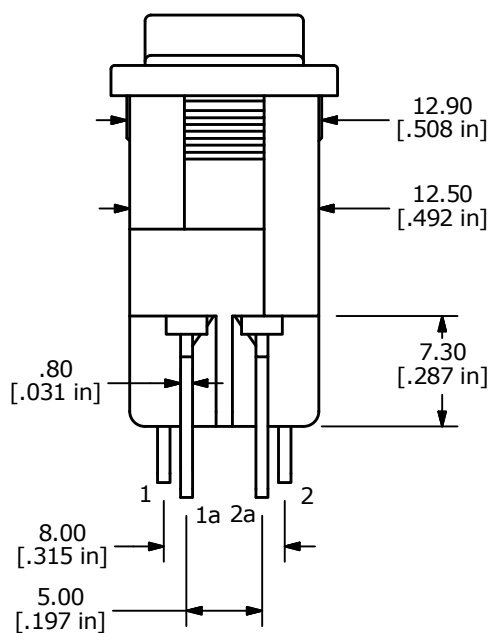
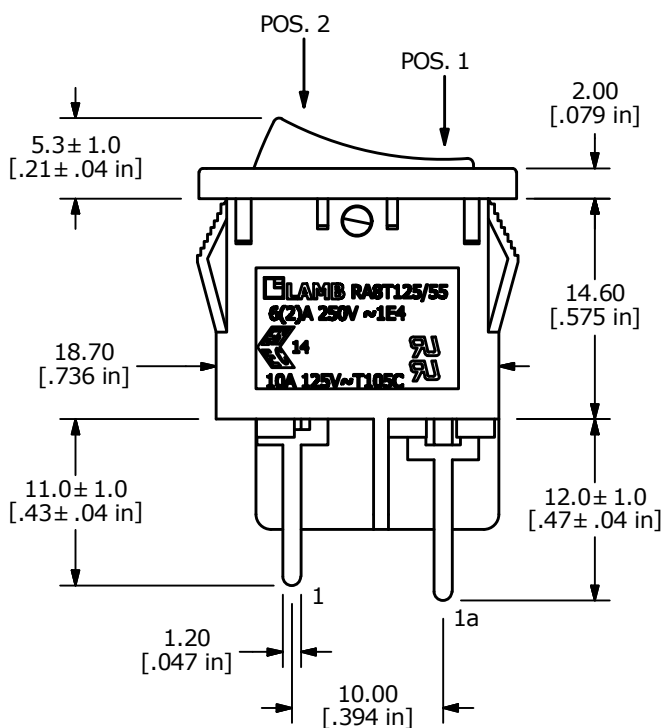
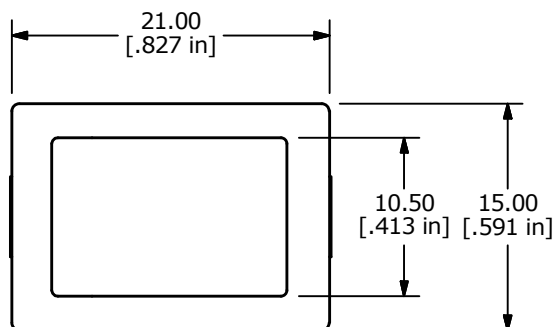
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1

RA8 SERIES ROCKER SWITCH

BODY DIMENSIONS

FUNCTION - 2 POLE /
TERMINAL - 3 (PCB Pins) / LENS STYLE - NONE



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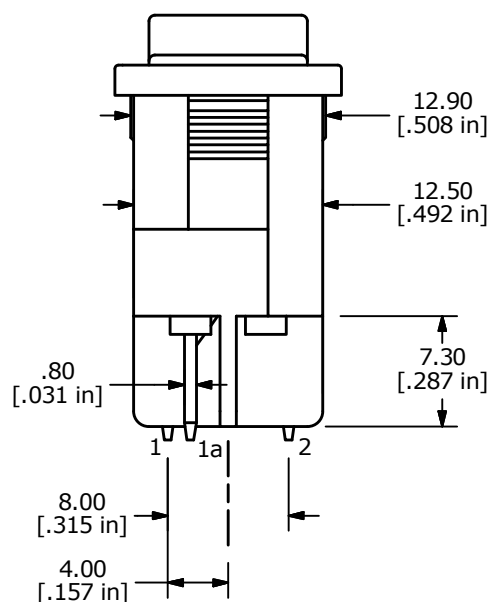
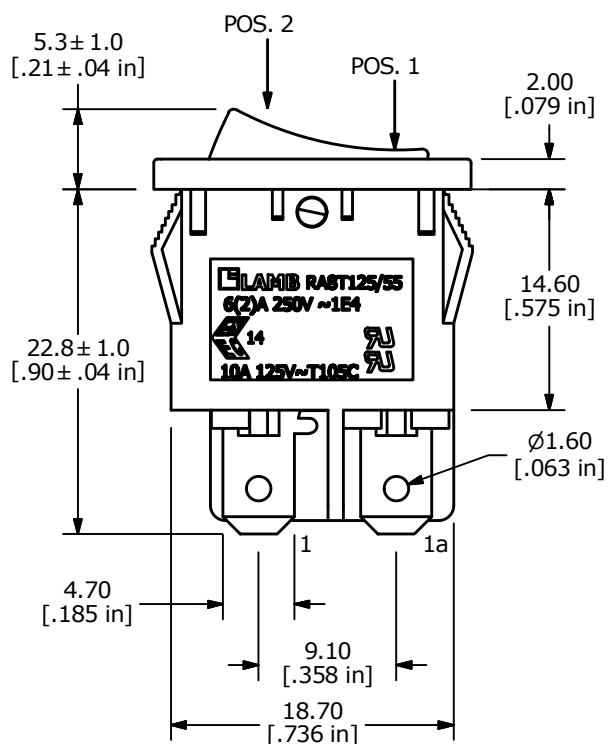
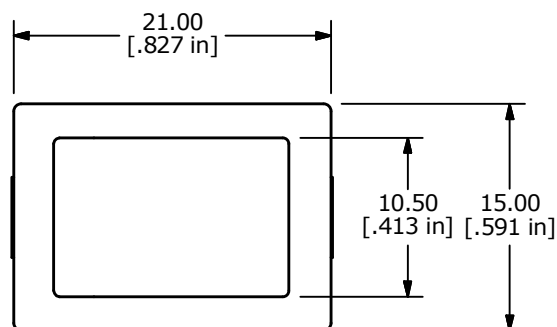
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2

ANTI-VANDAL SWITCHES
DETECTOR SWITCHES
DIP SWITCHES
KEYLOCK SWITCHES
NAVIGATION SWITCHES
PUSHBUTTON SWITCHES
ROCKER SWITCHES
ROTARY SWITCHES
SLIDE SWITCHES
SNAP ACTION SWITCHES
TACTILE SWITCHES
TOGGLE SWITCHES
CAP OPTIONS

CAP OPTIONS	TOGGLE SWITCHES	TACTILE SWITCHES	SNAP ACTION SWITCHES	SLIDE SWITCHES	ROTARY SWITCHES	ROCKER SWITCHES	PUSHBUTTON SWITCHES	NAVIGATION SWITCHES	KEYLOCK SWITCHES	DIP SWITCHES	DETECTOR SWITCHES	ANTI-VANDAL SWITCHES
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FUNCTION - 1 POLE /
TERMINAL - 1 (4.8mm TAB) / LENS STYLE - 1 FULL ILLUMINATION



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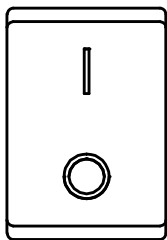
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RA8 SERIES ROCKER SWITCH

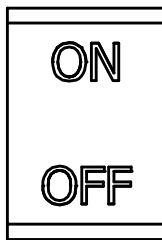
MARKING TYPE



0 - NONE



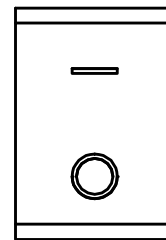
1 - I/O
VERTICAL



3 - ON-OFF
VERTICAL

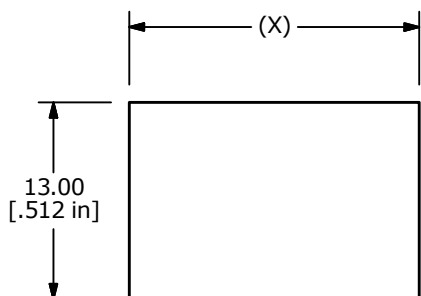


4 - ON-OFF
HORIZONTAL

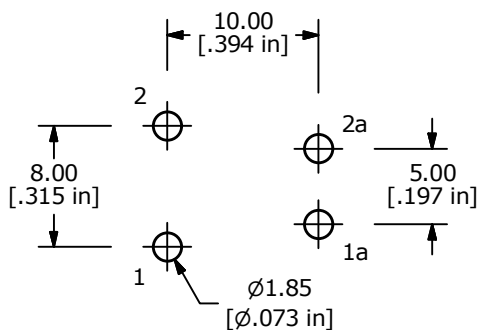


R - I/O
HORIZONTAL

PANEL CUT OUT, PCB LAYOUT, & SCHEMATICS

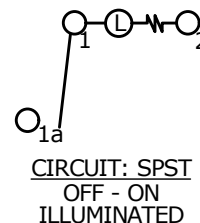
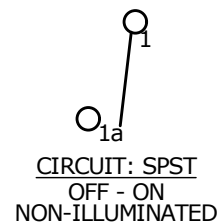


PANEL THICKNESS	X
0.75 - 1.25	19.2
1.25 - 2.00	19.4
2.00 - 3.00	19.6

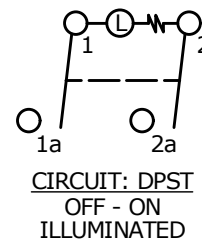
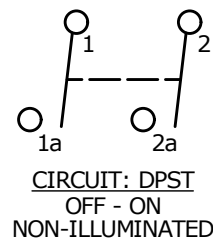


RECOMMENDED PANEL CUTOUT AND PCB LAYOUT

SWITCH FUNCTION	
POS. 1	POS. 2
OFF	ON
OPEN	1-1a, 2



SWITCH FUNCTION	
POS. 1	POS. 2
OFF	ON
OPEN	1-1a, 2-2a



SCHEMATIC OPTIONS

