

Pushbutton

-





A

Pushbutton

C&K E020 Series

Sealed Snap-acting Momentary Pushbutton Switches

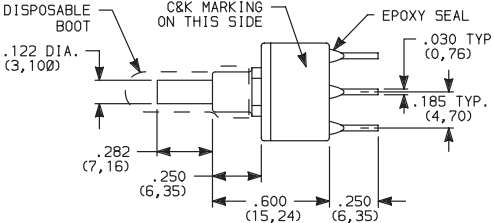
SWITCH FUNCTION



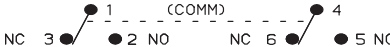
NO. POLES	MODEL NO.	SWITCH FUNCTION		CONNECTED TERMINALS		SCHEMATIC
		POS. 1	POS. 2	POS. 1	POS. 2	
						
		C&K marking this side		C&K marking this side		

SP	E121	ON	MOM.	1-3	1-2	 SPDT
	E125	ON	MOM.			

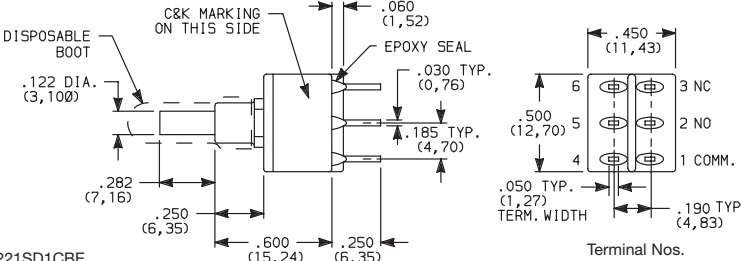
SPDT



Part number shown: E121SD1CGE

DP	E221	ON	MOM.	1-3,4-6	1-2,4-5	 DPDT
	E225	ON	MOM.			

DPDT



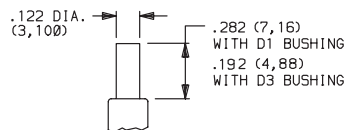
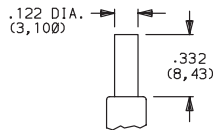
Part number shown: E221SD1CBE

MOM. = Momentary

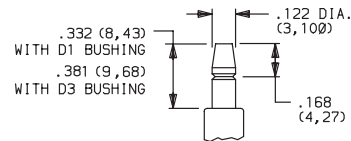
E121, E221 models with all options when ordered with G, L or R contact material.

EX25 models must be ordered with B, K or P contact material.
EX21 models must be ordered with G, L or R contact material.

PLUNGER

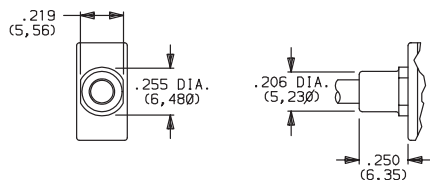
**S** .282" HIGH**S1** .332" HIGH

Not Available with D1 bushing.

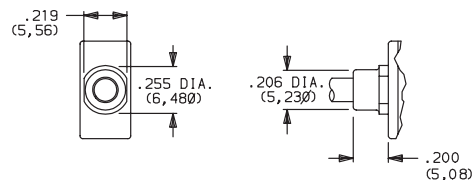
M .332" HIGH SNAP-FITTING

NOTE: Caps available for all plunger options, see page A-25.

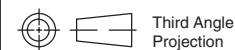
BUSHING

**D1** UNTHREADED

Not available with S1 actuator.

D3 .180" HIGH UNTHREADED

NOTE: Disposable splashproof vinyl over actuator and bushing supplied std., see page A-24.

Dimensions are shown: Inches (mm)
Specifications and dimensions subject to change

C&K E020 Series Sealed Snap-acting Momentary Pushbutton Switches



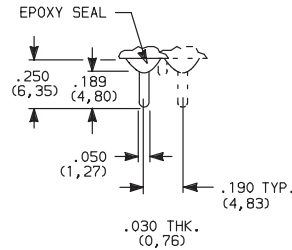
A

Pushbutton

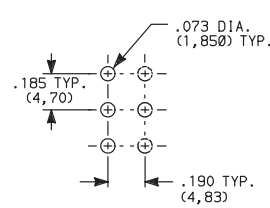
TERMINATIONS



C PC THRU-HOLE

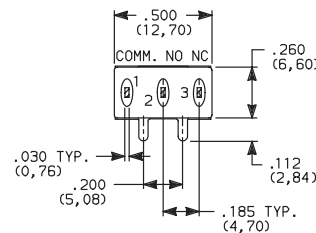
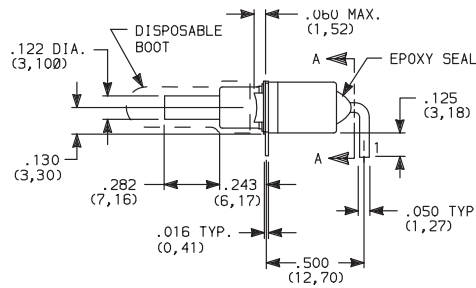
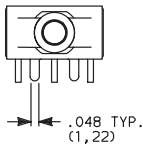


PC MOUNTING



SPDT and DPDT

A RIGHT ANGLE, PC THRU-HOLE

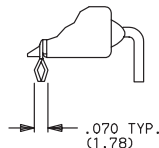
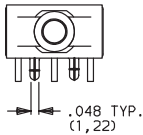


SECTION A-A

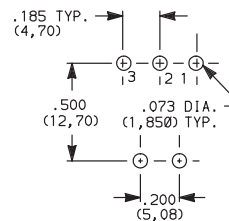


E121SD1AGE
SPDT

A3 RIGHT ANGLE, SNAP-IN, PC THRU-HOLE

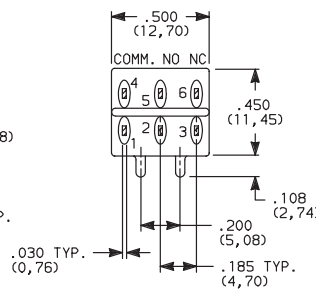
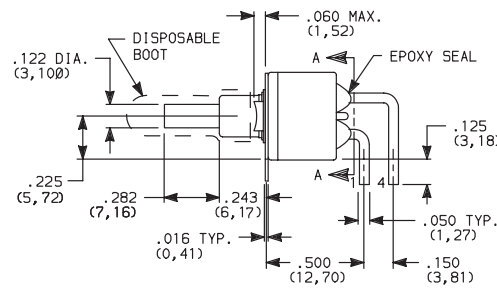
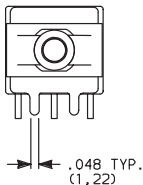


PC MOUNTING



NOTE: Terminal bend radii and lead-in manufacturing option.

A RIGHT ANGLE, PC THRU-HOLE

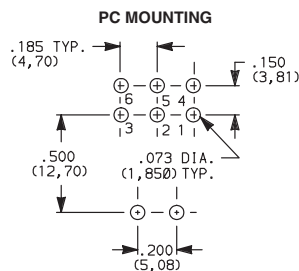
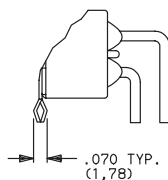
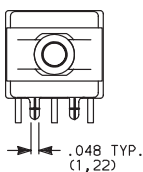


SECTION A-A

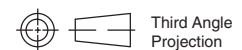


E221SD1AGE
DPDT

A3 RIGHT ANGLE, SNAP-IN, PC THRU-HOLE



NOTE: Terminal bend radii and lead-in manufacturing option.



Dimensions are shown: Inches (mm)
Specifications and dimensions subject to change

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A

Pushbutton

C&K E020 Series Sealed Snap-acting Momentary Pushbutton Switches

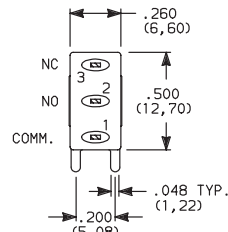
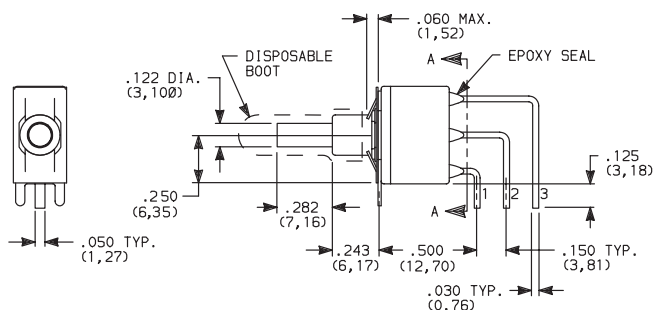
TERMINATIONS



AV2 VERTICAL RIGHT ANGLE, PC THRU-HOLE,
.150" PITCH

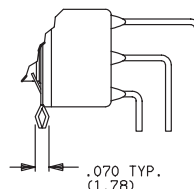
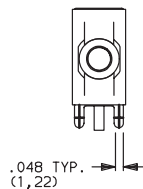


**E121SD1AV2GE
SPDT**

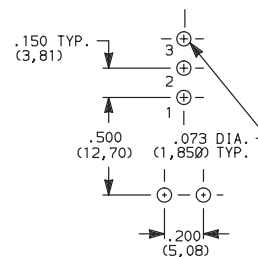


SECTION A-A

AV3 VERTICAL RIGHT ANGLE, SNAP-IN, PC THRU-HOLE,
.150" PITCH



PC MOUNTING

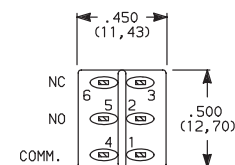
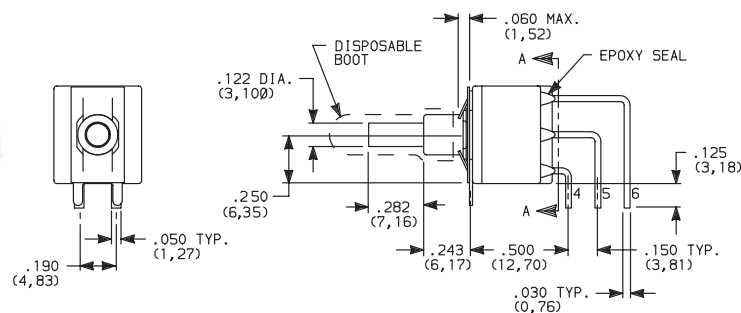


NOTE: Terminal bend radii and lead-in manufacturing option.

AV2 VERTICAL RIGHT ANGLE, PC THRU-HOLE,
.150" PITCH

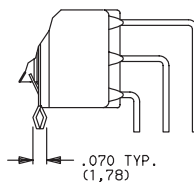
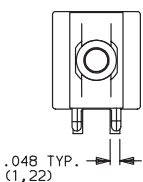


**E221SD1AV2GE
DPDT**

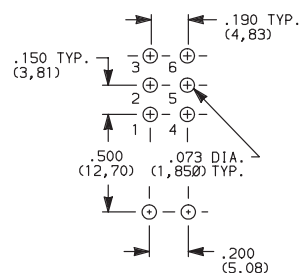


SECTION A-A

AV3 VERTICAL RIGHT ANGLE, SNAP-IN, PC THRU-HOLE,
.150" PITCH



PC MOUNTING



NOTE: Terminal bend radii and lead-in manufacturing option.



Dimensions are shown: Inches (mm)
Specifications and dimensions subject to change

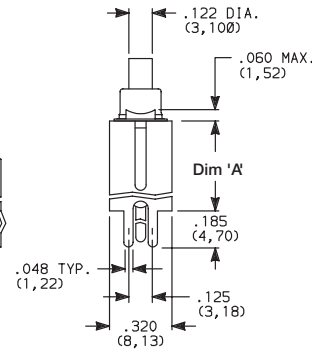
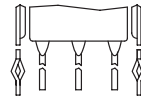
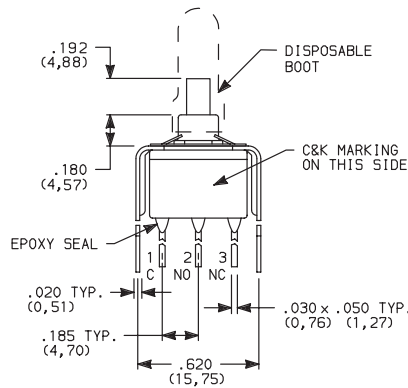
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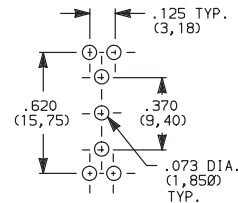
TERMINATIONS

V3, V4 VERTICAL MOUNT, V-BRACKET

V31, V41 VERTICAL MOUNT, V-BRACKET, SNAP-IN



PC MOUNTING

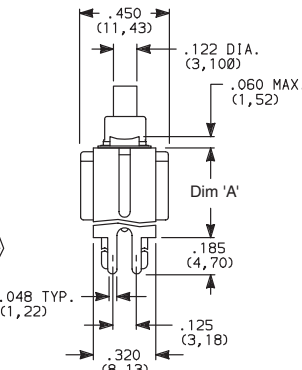
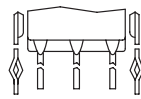
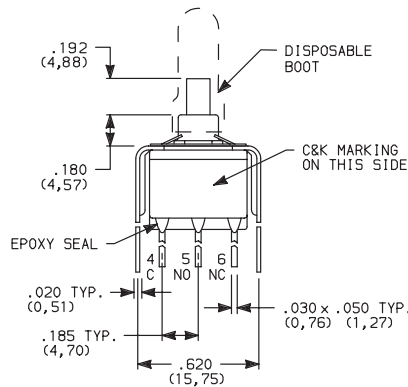


**E121SD3_GE
SPDT**

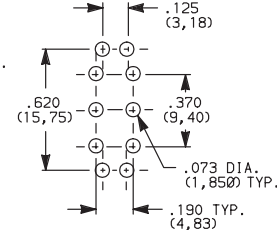
OPTION CODE	DIM 'A'
V3, V31	.460 (11,68)
V4, V41	.630 (16,00)

V3, V4 VERTICAL MOUNT, V-BRACKET

V31, V41 VERTICAL MOUNT, V-BRACKET, SNAP-IN



PC MOUNTING

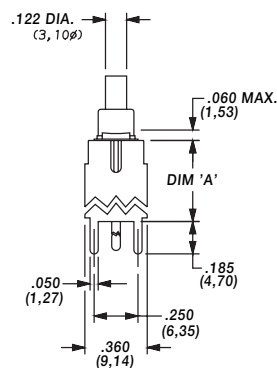
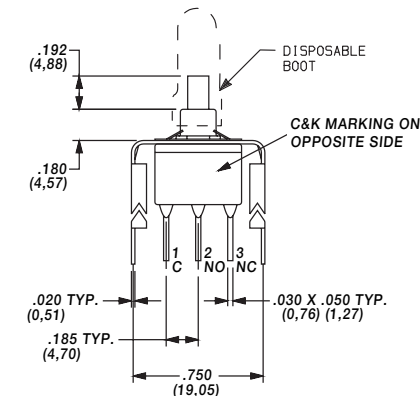


**E221SD3_GE
DPDT**

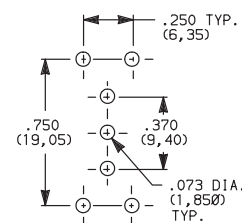
OPTION CODE	DIM 'A'
V3, V31	.460 (11,68)
V4, V41	.630 (16,00)

V6, V8 VERTICAL MOUNT, V-BRACKET

V61, V81 VERTICAL MOUNT, V-BRACKET, SNAP-IN



PC MOUNTING



**E121SD3V_GE
SPDT**

OPTION CODE	DIM 'A'
V6, V61	.460 (11,68)
V8, V81	.953 (24,21)



Dimensions are shown: Inches (mm)
Specifications and dimensions subject to change



A

Pushbutton



A

Pushbutton

C&K E020 Series Sealed Snap-acting Momentary Pushbutton Switches

TERMINATIONS

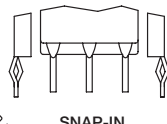
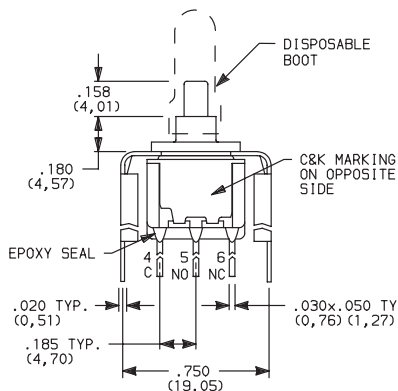


V6, V8 VERTICAL MOUNT, V-BRACKET

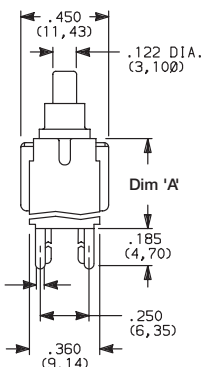
V61, V81 VERTICAL MOUNT, V-BRACKET, SNAP-IN



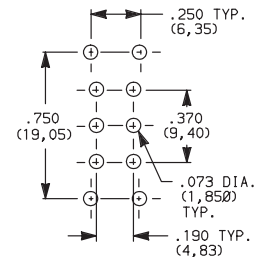
E221SD3V6GE
DPDT



SNAP-IN



PC MOUNTING



OPTION CODE	DIM 'A'
V6, V61	.460 (11,68)
V8, V81	.953 (24,21)

CONTACT MATERIAL



OPTION CODE	RoHS COMPLIANT *	RoHS COMPATIBLE *	CONTACT MATERIAL	TERMINAL PLATING	RATINGS	
B	YES	YES	GOLD ¹	GOLD ¹	LOW LEVEL/DRY CIRCUIT	EX25 MODELS ONLY: 0.4 VA MAX. @ 20 V AC OR DC MAX.
K	NO	YES		TIN-LEAD ⁴		
P	YES	YES		MATTE-TIN ⁵		
G	YES	YES	GOLD OVER SILVER ^{2,3}	GOLD ³	LOW LEVEL/DRY CIRCUIT OR POWER	EX21 MODELS ONLY: 0.4 VA MAX @ 20 V AC OR DC MAX. OR 1 AMP @ 120 V AC OR 28 V DC.
L	NO	YES		TIN-LEAD ⁴		
R	YES	YES		MATTE-TIN ⁵		

* Note: See Technical Data section of this catalog for RoHS compliant and compatible definitions and specifications.

¹ CONTACTS & TERMINALS: Copper alloy, with gold plate over nickel plate.

² N.O. AND N.C. CONTACTS: Coin silver, with gold plate over nickel plate.

³ COMMON CONTACTS & ALL TERMINALS: Copper alloy, with gold plate over nickel plate.

⁴ TERMINALS: Copper alloy, with tin-lead alloy over nickel plate.

⁵ TERMINALS: Copper alloy, with matte-tin alloy over nickel plate.

NOTE: Any models supplied with P, R, B or G contact material are RoHS compliant. For the latest information regarding RoHS compliance, please go to: www.ittcannon.com/rohs.

E121, E221 models with all options when ordered with mandatory G, R or L contact material.

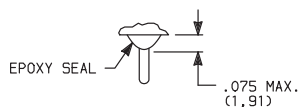
P, B or K contact material must be ordered with EX25 models.

R, G or L contact material must be ordered with EX21 models.

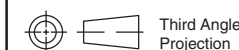
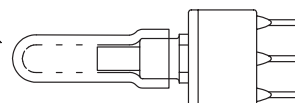
SEAL



E EPOXY SEAL AND DISPOSABLE SPLASHPROOF BOOT



Disposable splashproof boot supplied standard. Remove and discard boot *only after* soldering and cleaning processes are complete.



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Specifications and dimensions subject to change

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C&K E020 Series Sealed Snap-acting Momentary Pushbutton Switches

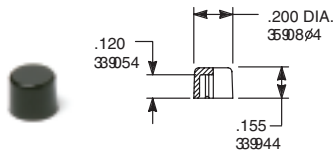


A

Pushbutton

AVAILABLE HARDWARE

Cap

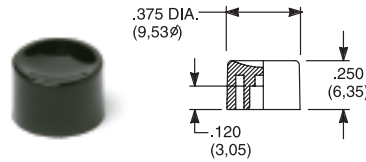


PART NO.

708901000 WHITE
708902000 BLACK
708903000 RED

Material: Nylon
Finish: Gloss

Cap

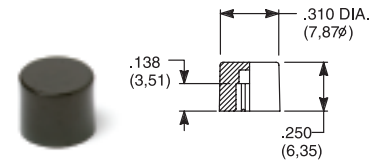


PART NO.

752701000 WHITE
752702000 BLACK
752703000 RED

Material: Nylon
Finish: Gloss

Cap

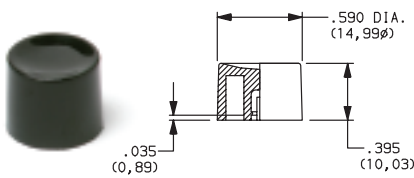


PART NO.

801801000 WHITE
801802000 BLACK
801803000 RED

Material: Nylon
Finish: Gloss

Cap, Snap-fitting plunger

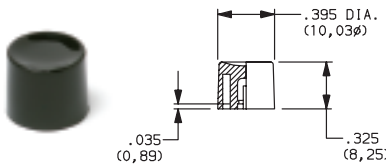


PART NO.

894001000 WHITE
894002000 BLACK
894003000 RED

Material: Nylon
Finish: Gloss

Cap, Snap-fitting plunger

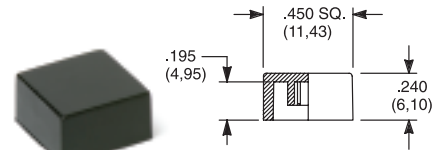


PART NO.

894101000 WHITE
894102000 BLACK
894103000 RED

Material: Nylon
Finish: Gloss

Cap



PART NO.

484601000 WHITE
484602000 BLACK
484603000 RED

Material: Nylon
Finish: Gloss

PART NO.

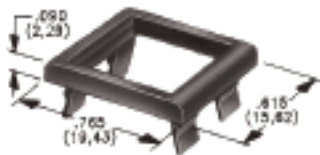
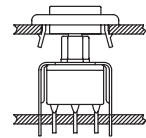
798201000 WHITE
798202263 BLACK
798203000 RED

Material: Nylon
Finish: Matte

NOTE: Other cap colors available consult Customer Service Center.

Frames snap into panel opening and are independent from switch mounting. Accurate positioning of the PC mounted switch relative to the panel opening is necessary to provide proper clearance between actuator and frame. Available in two basic styles and four panel thicknesses .047-.125 in. Material: Nylon. Finish: Matte.

TYPICAL APPLICATION



.047" (1,19) PANEL THK.

PART NO.

432501000
432502263
432503000

.062" (1,57) PANEL THK.

PART NO.

432601000
432602263
432603000

.090" (2,29) PANEL THK.

PART NO.

432701000
432702263
432703000

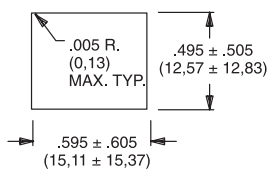
.125" (3,18) PANEL THK.

PART NO.

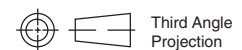
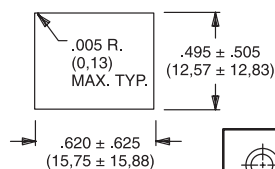
432801000 WHITE
432802263 BLACK
432803000 RED

PANEL MOUNTING

For part numbers
4325xxxxx, 4326xxxxx



For part numbers
4327xxxxx, 4328xxxxx



Dimensions are shown: Inches (mm)
Specifications and dimensions subject to change





A

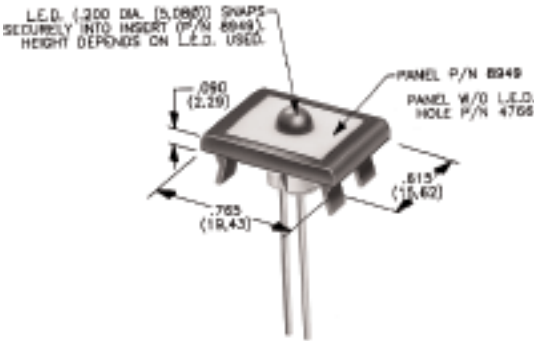
Pushbutton

C&K E020 Series Sealed Snap-acting Momentary Pushbutton Switches

AVAILABLE HARDWARE

PANEL INSERTS

Above frames (part nos. 432XXXXXX) are also available with insert which accepts LED for indicator light assembly. Order insert separately from frame. Blank insert panel (without hole for LED) also available. **LED not included.**



PANEL INSERT
WITH HOLE FOR LED

BLANK PANEL INSERT
WITHOUT HOLE FOR LED

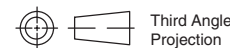
PART NO.

894901000
894902000
894903000

PART NO.

476601000 WHITE
476602000 BLACK
476603000 RED

Special colors, custom markings available, consult Customer Service Center.



Dimensions are shown: Inches (mm)
Specifications and dimensions subject to change