



New



Legacy



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# New Style 88H Legacy Series Relay



# GENERAL SPECIFICATIONS (@25 °C)

Input	INDIA MADE (NEW)		US MADE(LEGACY)	
Coil Voltage Range	Nominal Input Voltage	Nominal Coil Resistance, Ω at 25 °C	Nominal Input Voltage	Nominal Coil Resistance, Ω at 25 °C
		12 VDC	120	12 VDC
	24 VDC	470	24 VDC	400
	48 VDC	1800	48 VDC	1500
	115/125 VDC	10,000	115/125 VDC	11,000
	24 VAC	72	24 VAC	40
	120 VAC	1700	120 VAC	1000
	240 VAC	7200		
Drop-out Voltage (Min. or Higher)	10% of nominal VAC, 10% of nominal VDC		10% of nominal VAC, 10% of nominal VDC	
Average Consumption Coil	2.1 VA (AC), 1.2 W (DC)		3 VA (AC), 1.2 W (DC)	
Maximum Operating Voltage	110 % (AC/DC)		110 % (AC/DC)	
Maximum Pickup Voltage	80% of nominal (VDC) 85% nominal (VAC)		80% of nominal (VDC) 85% nominal (VAC)	

Contacts								
Contact Configuration	DPDT, 3PDT / 2 Form C, 3 Form C				Up to 3PDT			
Contact Type	Silver Alloy				Silver Cadmium Oxide			
Switching Ratings	Amps/Power	Voltage	Cycles	Load	Amps/Power	Voltage	Cycles	Load
	10A	240 VAC	100k	Resistive	10A	240 VAC	100K*	Resistive
	1/3 HP	120 VAC	6k	Motor	10A	28 VDC	100K*	Resistive
	1/2 HP	240 VAC	100k	Motor				
	12 A C300	30 VDC	100k 6k	Resistive Pilot Duty				
Maximum Switching Voltage	240 VAC, 30 VDC				240 VAC, 28 VDC			
Minimum Switching Requirement	25 mA @ 12 VAC, 12 VDC				-			
Thermal (Carrying) Current	12 Amps				10 Amps			

Performance		
Mechanical Life	5,000,000 cycles	5,000,000 cycles
Electrical Life, Operations at Rated Current	100,000 cycles	100,000 cycles
Operate Time (Response Time) - On	25ms	25ms
Release Time	20ms	20ms
Dielectric Strength (coil to contacts)	1500 Vrms	1250 Vrms

Environment		
Ambient Temperature - Storage	-40 to +85 °C	-30 to 105 °C
Ambient Air Temperature around the device - Operation	-20 to +60°C	-10 to 60 °C



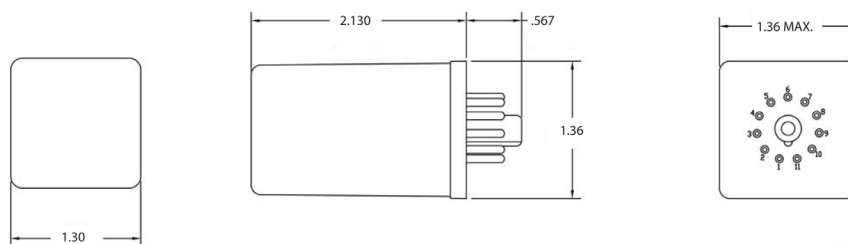
Miscellaneous	INDIA MADE (NEW)	US MADE(LEGACY)
<b>Weight</b>	130 grams	113 grams (Round Can), 136 grams (Octagon Can)
<b>Component Type</b>	Hermetically Sealed Relay	Hermetically Sealed Relay
<b>Mounting Type</b>	8 pin (SK-CIR8-DS) or 11 pin (SK-CIR11-DS)	8 pin (SK-CIR8-DS) or 11 pin (SK-CIR11-DS)

Conformance Approvals		
<b>UR/CUR Recognized Component</b>	Yes, Ordinary locations (E52197) and Hazardous Locations Class I, Division 2 (E509225)	No
<b>UL/CUL Listed</b>	Yes, Ordinary locations (E52197) and Hazardous Locations Class I, Division 2 (E509225) when used with Struthers-Dunn Sockets SK-CIR8-DS or SK-CIR11-DS(E340027)	No

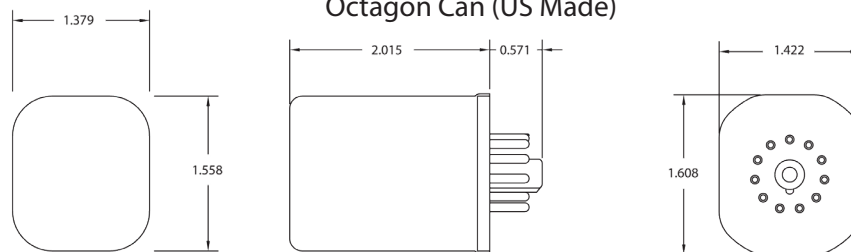
Environmental Product Compliance		
<b>REACH free of SVHC</b>	YES	No
<b>Free of PFAS</b>	YES	No
<b>EU RoHS Directive</b>	Pro-active Compliance	No

Max Outline Dimensions (Inches)

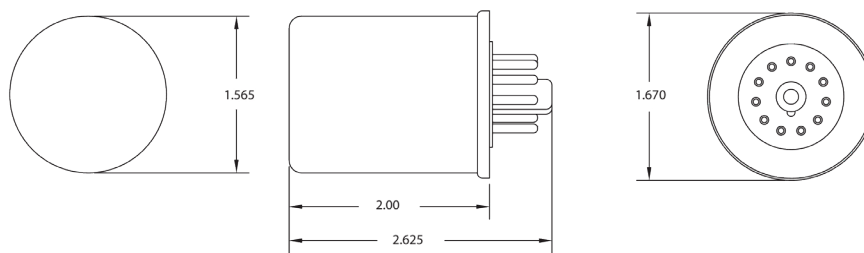
Square Can (India Made)



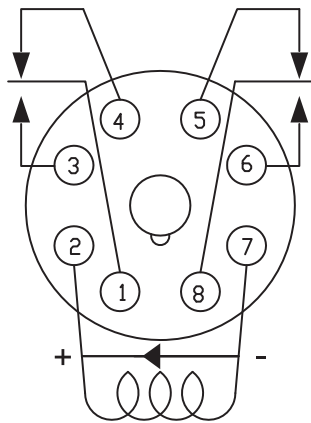
Octagon Can (US Made)



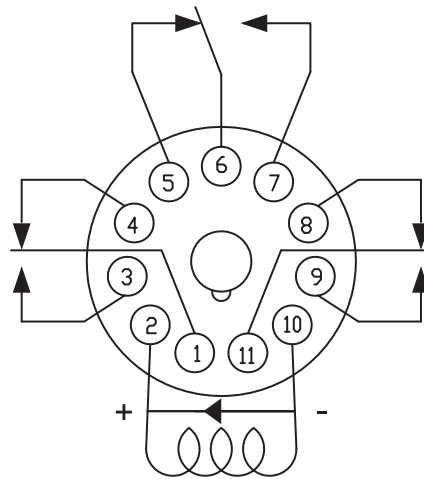
Round Can (US Made)



88HP Wiring Diagrams (Bottom View) - US and India Made

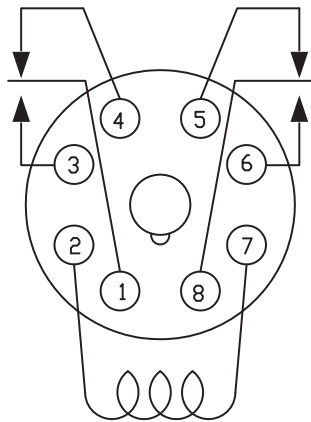


8 PIN WITH DIODE - Suffix "V"  
DPDT

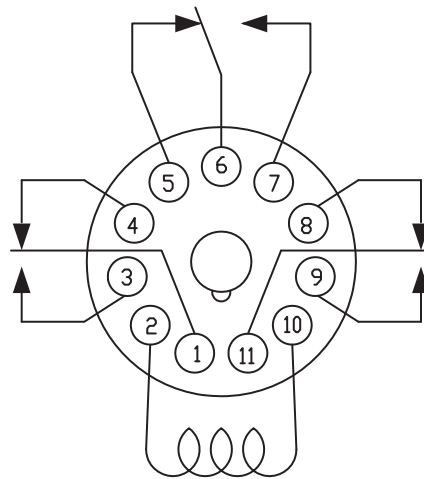


11 PIN WITH DIODE - Suffix "V"  
3PDT

11 pin Octal Socket Part number SK-CIR11-DS  
8 Pin Octal Socket Part Number SK-CIR8-DS



8 PIN  
DPDT



11 PIN  
3PDT

The 88H Series Relay is compatible with other Industry Octal sockets. However, No Hold Down Clips are needed when Struthers-Dunn Relays and Sockets are used together.

**Common Legacy Part Numbers**

W88HPX-51V

W88AHPX-36

88HPX-91A

W88HPX-34

W88AHPX-24

