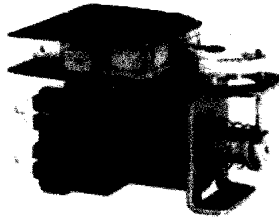


S89R



S90R

FEATURES

- Low cost, bistable impulse relay.
- Operates on 75ms min. pulse.
- Used in garage door controls, motor reversing and lighting controls.
- S89R available with plastic cover and octal plug-in base.

CONTACT DATA @ 25 C

Ratings:
S89R: 15 amps, 1/2 HP, 125/250VAC; 5 amps, 125VAC, tungsten filament lamp load; 1/2 amp, 125VDC; 1/4 amp, 250VDC.
Expected Life: 100,000 operations, mechanical; 50,000 operations at rated loads.

Ratings:
S90R:

Load	Minimum Life
20A, 120VAC or 7.5A, 277VAC, Tungsten.	10,000 Cycles
15A, 125VAC or 7A, 277VAC, Fluorescent.	10,000 Cycles
20A, 277VAC, 75-80% PF.	50,000 Cycles
1 HP, 125VAC, 50/60 Hz.	50,000 Cycles
2 HP, 250VAC, 50/60 Hz.	50,000 Cycles
12 FLA, 60 LRA, 120VAC.	50,000 Cycles
8 FLA, 48 LRA, 240VAC.	50,000 Cycles
Pilot Duty, 360VA, 125/250VAC.	50,000 Cycles

S89R/S90R series

**BISTABLE, IMPULSE RELAY
 15 AND 20 AMP INDUSTRIAL RATING
 CONTINUOUS COIL RATING**

File E22575
 File LR15734

COIL DATA @ 25 C

Nominal Power:
DC Coils: 6.33 Watts @ +25°C.
AC Coils: 8VA @ +25°C.
Insulation: Class B (130°C).
Initial Breakdown Voltage: 1,500V rms, 60 Hz.
Must-Operate Voltage:
DC Coils: 75% of nominal voltage @ +25°C.
AC Coils: 85% of nominal voltage @ +25°C.

COIL DATA

Nominal Voltage	Resistance DC Ohms ±15% @ +25°C	Nominal Current mA
24VAC	8.7	375
120VAC	260	75
240VAC	1084	38
6VDC	5.8	1035
12VDC	22.5	533
24VDC	92	260

ENVIRONMENTAL DATA

Temperature Range: -10°C to +60°C.

MECHANICAL DATA

Weight: 7.75 oz. (241 g) approximately.

ORDERING INFORMATION

Typical Part No. >	S89R	5	A	B	D	1	-24
1. BASIC SERIES: S89R = 15A S90R = 20A							
2. CONTACT ARRANGEMENT: 5 = SPDT 11 = DPDT 17 = 4PDT							
3. COIL INPUT: A = AC D = DC							
4. COIL TERMINAL STYLE: A = .187" (4.75 mm) Quick connect/solder. B = .250" (6.35 mm) Quick connect/solder. P = Dust cover with octal plug-in base. (S89R only.)							
5. SWITCH TERMINAL STYLE: C = .187" (4.75 mm) Quick connect.* D = .250" (6.35 mm) Quick connect.* P = Dust cover with octal plug-in base.* * S89R only.							
6. SWITCH TERMINAL CONFIGURATION: 1 = Style 1 (See outline drawings.)							
7. COIL VOLTAGE: 2, 4, 120, 240 VAC 6, 12, 24 VDC							

STOCK ITEMS - The following items are normally maintained in stock for immediate delivery.

S89R5ABD1-24	S89R11AAC1-24	S89R11ABD1-120	S89R11DAC1-12	S90R5ABD1-120
S89R5ABD1-120	S89R11AAC1-120	S89R11APP1-120	S89R11DAC1-24	S90R11ABD1-24
S89R5DBD1-12	S89R11ABD1-24	S89R11DAC1-6	S89R11DBD1-12	S90R11ABD1-120