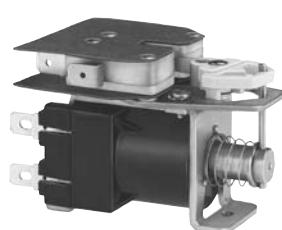


S89R



S90R

S89R/S90R series

Bistable, Impulse Relay 15 and 20 Amp Industrial Rating Continuous Coil Rating

File E22575

File LR15734

Users should thoroughly review the technical data before selecting a product part number. It is recommended that users also seek out the pertinent approvals files of the agencies/laboratories and review them to ensure the product meets the requirements for a given application.

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

Coil Data @ 25°C

Nominal Power:

DC Coils: 6.33 Watts @ +25°C.

AC Coils: 9VA @ +25°C.

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

3. Coil Input:

A = AC
D = DC

4. Coil Terminal Style:

A = .187" (4.75mm) Quick connect/solder.
B = .250" (6.35mm) Quick connect/solder.

P = Dust cover with octal plug-in base. (S89R only.)

5. Switch Terminal Style:

C = .187" (4.75mm) Quick connect.*
D = .250" (6.35mm) Quick connect. (S90 only)

P = Dust cover with octal plug-in base.*
* S89R only.

6. Switch Terminal Configuration:

1 = Style 1 (See outline drawings.)

7. Coil Voltage:

24, 120, 240VAC
6, 12, 24VDC

Our authorized distributors are more likely to maintain the following items in stock for immediate delivery.

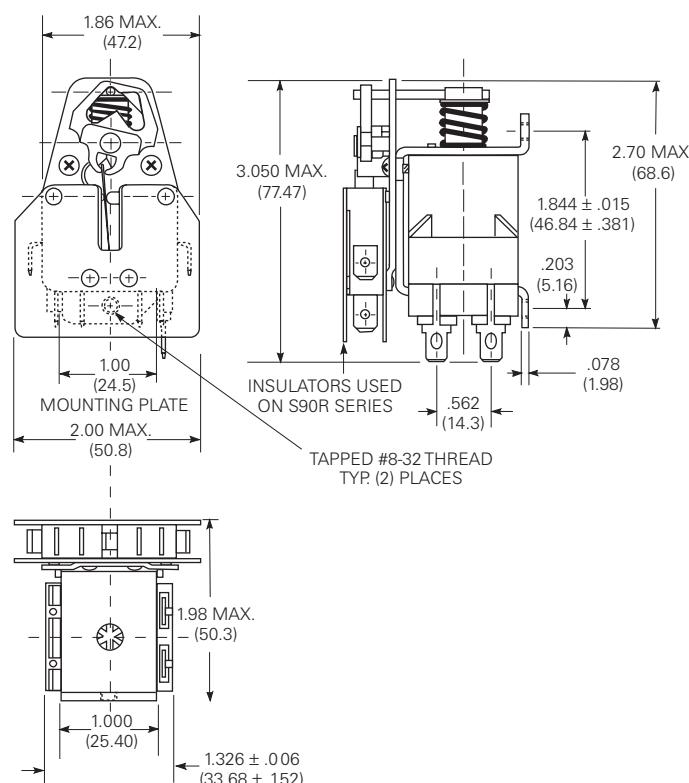
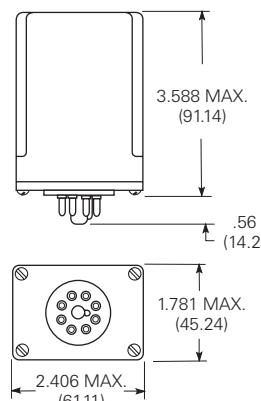
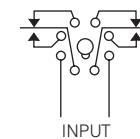
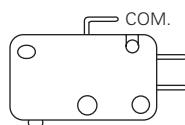
S89R5ABD1-24
S89R5ABD1-120
S89R5DBD1-12

S89R11AAC1-24
S89R11AAC1-120
S89R11ABD1-24

S89R11ABD1-120
S89R11APP1-120
S89R11DAB1-12

S89R11DAB1-24
S89R11DBD1-12
S89R11DBD1-24

S90R5ABD1-120
S90R11ABD1-24
S90R11ABD1-120

Outline Dimensions**Open Relays****Enclosed Relays
S89 Series****Wiring Diagram****Switch Terminal Configuration****Style 1****Switch Terminal Style**

C = .187" (4.75mm) Quick-connect
 D = .250" (6.35mm) Quick-connect

**.187" (4.75mm)
Quick Connect** **.250" (6.35mm)
Quick Connect**
S89R **S90R**

