

Timing Modes

Modes are user selectable via screwdriver adjustment of recessed 4position selector dial.

Modes offered are: On-Delay, Off-Delay, Interval and Latching Interval.

Timing Specifications

Timing Ranges: 0.1 to 3 / 0.33 to 10 / 1 to 30 / 4 to 120 sec.; 0.33 to 10 / 1 to 30 / 2 to 60 min.; 0.33 to 10 hr.

Timing Range Selection: Screwdriver select via recessed 8-position selector dial.

Timing Adjustment: Recessed potentiometer adjustment with reference calibrations

Accuracy: Repeat Accuracy: ±1%±0.01 sec. Overall Accuracy: ±3% ±0.01 sec.

Reset Time: 30 ms.

Relay Operate Time: On-Delay and Interval mode: 30 ms.

Relay Release Time: Off-Delay, Interval and Latching Interval: 30 ms. (with factory-installed relay).

Contact Data @ 25°C

Arrangements: 2 Form C (DPDT)

Rating: 10A @ 28VDC or 120VAC, resistive; 1/3 HP @ 120/240VAC 345VA. Expected Mechanical Life: 10 million operations (with factory-installed

Expected Electrical Life:

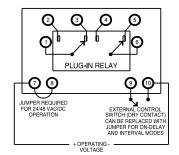
relay) 500,000 operations, min., at rated resistive load(with factory-installed relay).

Outline Dimensions

DIN

0.188 (5) WIDE SLOT FOR #8 OR M4 MACHINE SCREW -0.342 (9 3.125 (79) HOLE TRACK MOUNT PATTERN Ű 3.81 (97) Ö FOR 0 SCREW Q MOUNT 78 910 0 0.343 (9) 6-32 CAPTIVE CLAMP SCREWS 0.322 (8) ۱ ŀ

Wiring Diagram (Top View)



SSF series

Programmable Time Delay Relay

- 4 user-programmable timing modes
- 0.1 sec. to 10 hr. programmable timing range
- Parameters set with recessed screwdriver dials
- Universal voltage (plug-in relay dependent)
- 10A DPDT replaceable output relay minimizes downtime
- Front screw terminals
- DIN-rail, panel or machine tool track mount

AJ File E15631

(File LR29186)

Users should thoroughly review the technical data before selecting a product part number. It is recommended that user 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.

Initial Dielectric Strength

Between Coil/Control Switch and Contacts: 1,500VAC for one minute.

Input Data @ 25°C

Voltage: See Ordering Information section for details. Power Requirement: 2W, max

Transient Protection: Non-repetitive transients of the following magnitudes will not cause spurious operation of affect function and accuracy.

Operating Voltage	<0.1 ms	<1 ms
24, 48 VAC/VDC	1,000V	480V
120, 240VAC/VDC	3,000V	2500V*

* Min. source impedance of 100 ohm@120/240VAC, 3000V <0.1, sec.

Environmental Data

Temperature Range: Storage: -40°C to +85°C. Operating: -30°C to +65°C

Mechanical Data

Mounting/Termination: Panel, DIN-rail, Machine Tool mounting track mounting case with screw terminals. Weight: 5.5 oz. (156g) approximately

Ordering Information

SSF	R	90	Α	
	I	I	I	
Series SSF Universal Timer	R = UL Recognized Component	Operating Mode 90 Multiple modes - On-Delay Off-Delay Interval Latching Interval	$\begin{array}{l} \textbf{Operating Voltage} \\ (+10\%, -15\%) \\ A = 120VAC, 50/60 \text{ Hz}. \\ B = 240VAC, 50/60 \text{ Hz}. \\ E = 24VAC, 50/60 \text{ Hz}. \\ F = 48VAC, 50/60 \text{ Hz}. \\ N = 48VDC \\ O = 24VDC \\ P = 125VDC \\ X = No factory- \\ installed relay.† \end{array}$	

† Voltage determined by customer-supplied relay. Only relays that operate on the above-listed voltages should be used. Timer operation using other relay voltages is not recommended.

Authorized distributors are likely to stock the following: SSFR90A SSFR90X

tyco

Electronic:

Dimensions are in inches over (millimeters) unless otherwise specified