



JSS48A Series Time Delay Relays

1. General

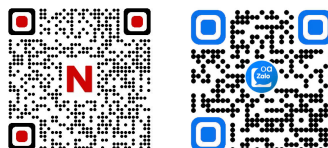
JSS48A series time delay relay is mainly used as time control component in the control circuit with AC frequency of 50Hz/60Hz, rated control supply voltage up to 380V and DC rated control supply voltage up to 240V for connecting and disconnecting the circuit at preset time.

Standards: IEC 60947-5-1.

2. Technical data

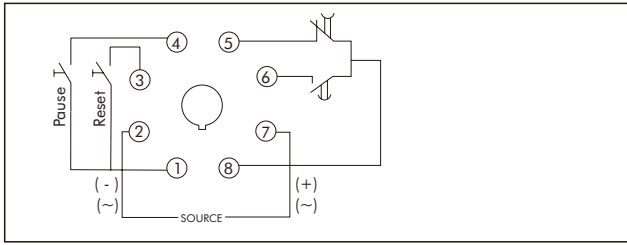
2.1 Main specifications please refer to the table

Model	JSS48A	JSS48A-2Z	JSS48A-11	JSS48A-G	JSS48A-P	JSS48A-S
Preset digits	4					T1: 2 T2: 2
Delay range	0.01s~99.99s, 1s~99min99s, 1min~99h99min 3 time ranges are available, and the time unit is configurable			0.01s~99.99s, 0.1s~999.9s, 1s~9999s, 0.1min~999.9min, 1min~9999min, 0.1h~999.9h, 10s~99990s, 1h~9999h, 1s~99min99s, 1min~99h99min 10 time ranges are available, and the time unit is configurable		1s~99s, 1min~99min, 1h~99h, 3 time ranges are available, and the time unit is configurable
Indication form	Digitron				Indicator	Digitron
Number of contacts	Delay 1 change-over set	Delay 2 change-over sets				Delay 1 change-over set
Operating method	Power-on delay					Shuttling(cycling) delay
Setting error	When delay setting value is between 0.01s~5s, setting absolute error ≤0.05s; when delay setting value is bigger than 5s, setting absolute error ≤1%					
Reset time	≤1s					
Installation method	Panel type, DIN-Rail type, equipment type. For the DIN-Rail type and equipment type, an extra base CZS08C or CZF11A-E is needed					

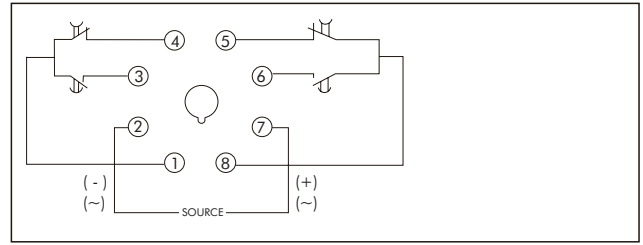


3. Wiring diagram

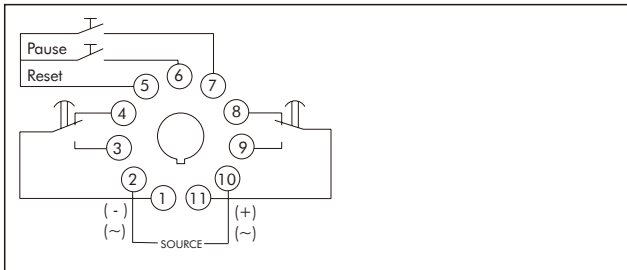
JSS48A Wiring diagram



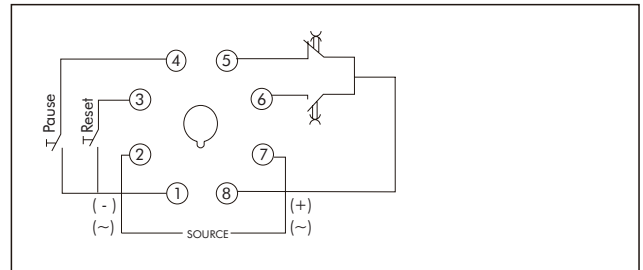
JSS48A-2Z, JSS48A-G, JSS48A-P Wiring diagram



JSS48A Wiring diagram

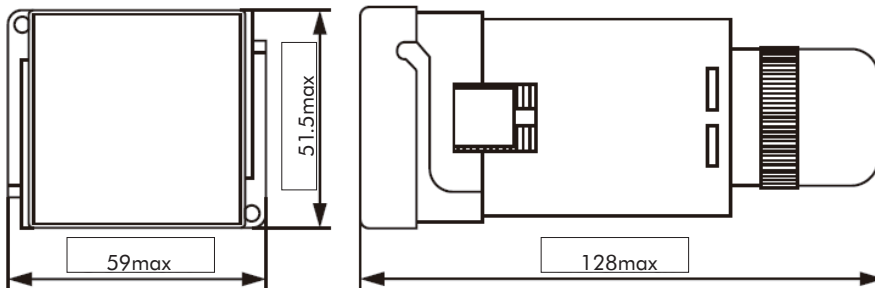


JSS48A Wiring diagram

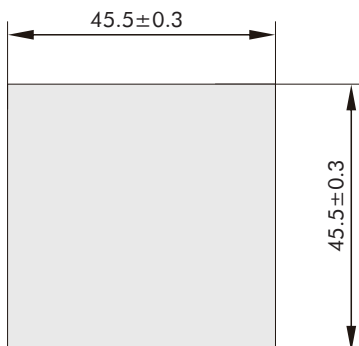


4. Overall and mounting dimensions (mm)

overall and mounting dimension



Opening size



JSS48A	G4	9999min	AC/DC100V-240V
Product series	Working mode	Time delay range	Control voltage
	Blank: 8-pin power on delay with a set of conversion types (multi speed delay); 2Z: 8 Power on delay for two sets of conversion type (multi speed delay) 11: 11 pin power on delay two sets of conversion type (multi-stage delay); S: 8-pin reciprocating cycle delay with a set of conversion types (multi-stage delay); G2: Two digit dialing setting, 8-pin power on delay (single level delay) two group conversion, digital display type G3: 3-digit dialing setting, 8-pin power on delay (single level delay) two group conversion, digital display type G4: 4-digit dialing setting, 8-pin power on delay (single level delay) two group conversion, digital display type P2: Two digit dialing setting, 8-pin power on delay (single speed delay) two group conversion, indicator light indicating type P3: 3-digit dialing setting, 8-pin power on delay (single speed delay) two group conversion, indicator light indicating type P4: 4-digit dialing setting, 8-pin power on delay (single speed delay) two group conversion, indicator light indicating type	Refer to the technical table	AC12V AC220V AC380V DC12V AC/DC24V-48V AC/DC100V-240V

Control voltage	Contact ability	Contact group	Description	Code
AC380V	240V/0.75A, Ith:5A	1Z	JSS48A AC380V	300083
AC380V	240V/0.75A, Ith:5A	1Z	JSS48A AC/DC100V-240V	300084
AC380V	240V/0.75A, Ith:5A	1Z	JSS48A AC/DC24V-48V	300085
AC380V	240V/0.75A, Ith:5A	2Z	JSS48A-2Z DC12V	300134
AC380V	240V/0.75A, Ith:5A	2Z	JSS48A-2Z AC380V	300086
AC380V	240V/0.75A, Ith:5A	2Z	JSS48A-2Z AC/DC100V-240V	300087
AC380V	240V/0.75A, Ith:5A	2Z	JSS48A-2Z AC/DC24V-48V	300088
AC380V	240V/0.75A, Ith:5A	2Z	JSS48A-11 AC12V	300135
AC380V	240V/0.75A, Ith:5A	2Z	JSS48A-11 DC12V	300136
AC380V	240V/0.75A, Ith:5A	2Z	JSS48A-11 AC380V	300071
AC380V	240V/0.75A, Ith:5A	2Z	JSS48A-11 AC/DC24V-48V	300123
AC380V	240V/0.75A, Ith:5A	2Z	JSS48A-11 AC/DC100V-240V	300082
AC380V	240V/0.75A, Ith:5A	1Z	JSS48A-S AC380V	300021
AC380V	240V/0.75A, Ith:5A	1Z	JSS48A-S AC380V	300089
AC220V	240V/0.75A, Ith:5A	1Z	JSS48A-S AC220V	300090
AC380V	240V/0.75A, Ith:5A	1Z	JSS48A-S AC/DC24V-48V	300124
AC/DC100V-240V	240V/0.75A, Ith:5A	1Z	JSS48A-S AC/DC100V-240V	300091
AC220V	240V/0.75A, Ith:5A	2Z	JSS48A-G2 99s AC220V	300133
AC/DC24V-48V	240V/0.75A, Ith:5A	2Z	JSS48A-G2 9.9s AC/DC24V-48V	300072
AC/DC100V-240V	240V/0.75A, Ith:5A	2Z	JSS48A-G2 9.9s AC/DC100V-240V	300073
AC380V	240V/0.75A, Ith:5A	2Z	JSS48A-G2 9.9s AC380V	300074
AC/DC24V-48V	240V/0.75A, Ith:5A	2Z	JSS48A-G2 99min AC/DC24V-48V	300075
AC/DC100V-240V	240V/0.75A, Ith:5A	2Z	JSS48A-G2 99min AC/DC100V-240V	300076

Control voltage	Contact ability	Contact group	Description	Code
AC380V	240V/0.75A, lth:5A	2Z	JSS48A-G2 99min AC380V	300077
AC/DC24V-48V	240V/0.75A, lth:5A	2Z	JSS48A-G3 9.99s AC/DC24V-48V	300078
AC/DC100V-240V	240V/0.75A, lth:5A	2Z	JSS48A-G3 9.99s AC/DC100V-240V	300079
AC380V	240V/0.75A, lth:5A	2Z	JSS48A-G3 99.9s AC380V	300094
AC380V	240V/0.75A, lth:5A	2Z	JSS48A-G3 999s AC380V	300095
AC380V	240V/0.75A, lth:5A	2Z	JSS48A-G3 99.9min AC380V	300096
AC380V	240V/0.75A, lth:5A	2Z	JSS48A-G3 999min AC380V	300097
AC/DC100V-240V	240V/0.75A, lth:5A	2Z	JSS48A-G3 99.9s AC/DC100V-240V	300098
AC/DC100V-240V	240V/0.75A, lth:5A	2Z	JSS48A-G3 999s AC/DC100V-240V	300099
AC/DC100V-240V	240V/0.75A, lth:5A	2Z	JSS48A-G3 99.9min AC/DC100V-240V	300100
AC/DC100V-240V	240V/0.75A, lth:5A	2Z	JSS48A-G3 999min AC/DC100V-240V	300101
AC/DC24V-48V	240V/0.75A, lth:5A	2Z	JSS48A-G3 99.9s AC/DC24V-48V	300102
AC/DC24V-48V	240V/0.75A, lth:5A	2Z	JSS48A-G3 999s AC/DC24V-48V	300103
AC/DC24V-48V	240V/0.75A, lth:5A	2Z	JSS48A-G3 999min AC/DC24V-48V	300104
AC/DC100V-240V	240V/0.75A, lth:5A	2Z	JSS48A-G4 9999s AC/DC100V-240V	300122
AC/DC24V-48V	240V/0.75A, lth:5A	2Z	JSS48A-G4 9999min AC/DC24V-48V	300080
AC/DC100V-240V	240V/0.75A, lth:5A	2Z	JSS48A-G4 9999min AC/DC100V-240V	300081
AC380V	240V/0.75A, lth:5A	2Z	JSS48A-P2 9.9s AC380V	300111
AC380V	240V/0.75A, lth:5A	2Z	JSS48A-P2 99s AC380V	300112
AC380V	240V/0.75A, lth:5A	2Z	JSS48A-P2 9.9min AC380V	300113
AC380V	240V/0.75A, lth:5A	2Z	JSS48A-P2 99min AC380V	300114
AC/DC100V-240V	240V/0.75A, lth:5A	2Z	JSS48A-P2 9.9s AC/DC100V-240V	300115
AC/DC100V-240V	240V/0.75A, lth:5A	2Z	JSS48A-P2 99s AC/DC100V-240V	300116
AC/DC100V-240V	240V/0.75A, lth:5A	2Z	JSS48A-P2 9.9min AC/DC100V-240V	300117
AC/DC100V-240V	240V/0.75A, lth:5A	2Z	JSS48A-P2 99min AC/DC100V-240V	300118
AC/DC24V-48V	240V/0.75A, lth:5A	2Z	JSS48A-P2 9.9s AC/DC24V-48V	300119
AC/DC24V-48V	240V/0.75A, lth:5A	2Z	JSS48A-P2 99s AC/DC24V-48V	300120
AC/DC24V-48V	240V/0.75A, lth:5A	2Z	JSS48A-P2 9.9min AC/DC24V-48V	300121
AC/DC24V-48V	240V/0.75A, lth:5A	2Z	JSS48A-P3 99.9s AC/DC24V-48V	300105
AC/DC100V-240V	240V/0.75A, lth:5A	2Z	JSS48A-P3 99.9s AC/DC100V-240V	300106
AC/DC24V-48V	240V/0.75A, lth:5A	2Z	JSS48A-P3 999s AC/DC24V-48V	300107
AC/DC100V-240V	240V/0.75A, lth:5A	2Z	JSS48A-P3 999s AC/DC100V-240V	300108
AC380V	240V/0.75A, lth:5A	2Z	JSS48A-P3 999s AC380V	300109
AC/DC100V-240V	240V/0.75A, lth:5A	2Z	JSS48A-P3 9.99s AC/DC100V-240V	300110

