JZ SERIES
SOLID STATE RELAY

PERFORMANCE SPECIFICATION
CHINO

JZ series is a very reliable small semiconductor switch for power conditioning of resistance load. By Zero Cross Switching mode, we achieve on-off control of alternating current from 100V to 240V with low noise.



JZ1210-F0 JZ1220-F0

FEATURES

- Slim form with small space
- Wide input voltage range of 5 to 24V DC. Connection to SSR drive type controller and PLC available.
- High reliability by protection circuit built-in.
- Very visible with LED display
- DIN rail mounting parts are prepared

MODELS

JZ12□□-□0

- Rated current
  - 10 : 10A
  - 20 : 20A
- Configuration
  - S : Main unit
  - F : Main unit + heat sink + DIN rail mounting parts

Rated load power

	JZ1210(10A)	JZ1220(20A)
with heat sink	0.1 to 10A	0.1 to 20A
without heat sink	0.1 to 4A	0.1 to 5A

*Depending on ambient temperature. Please refer to “load current-ambient temperature”

ACCESSORIES

DIN rail mounting parts

Please use it without heat sink, and when DIN rail mounting parts is installed.

Model	Spec	Weight
JZ911	Rated current 10/20A	10g

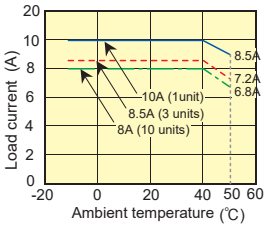
SPECIFICATIONS

Rated operating voltage : 5 to 24V DC
Rated input current : 7mA or less (at 25℃)
Rated voltage : 100 to 240V AC
Non repetitive surge peak on :
(state current) 150A (10A type)
220A (20A type)
Applied load : Resistive load
Operate time : 1/2 of load power source cycle +1ms or less
Release time : 1/2 of load power source cycle +1ms or less
Output ON voltage drop : 1.6V (RMS) or less
Leakage current : 10mA or less (at 200V AC)
Insulation resistance : 100MΩ or more (at 500 V DC, between the input and load terminals, and heat sink)
Withstand voltage : 3000V AC for 1 min (between the input and load terminals, and heat sink)
Storage temperature : -20 to 60℃ (with no icing or condensation)
Ambient temperature : -10 to 50℃ (with no icing or condensation)
*Please refer to "load current - ambient temperature" for details
Ambient humidity : 45 to 85%RH
Weight : 10A --- 80g (configuration S)
260g (configuration F)
20A --- 100g (configuration S)
280g (configuration F)

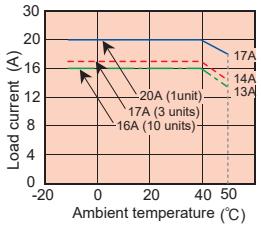
THE LOAD CURRENT - AMBIENT TEMPERATURE

1 unit
The high-density or gang mounting of 3 units
The high-density or gang mounting of 10 units

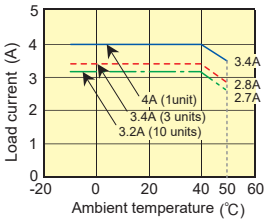
10A type, configuration F



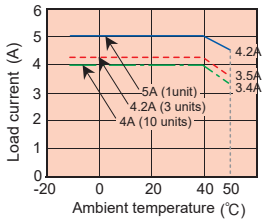
20A type, configuration F



10A type, configuration S (+ JZ911)



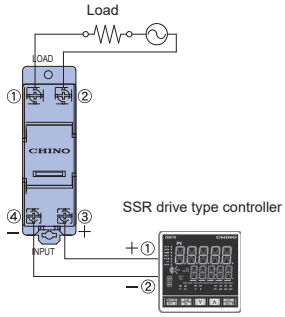
20A type, configuration S (+ JZ911)



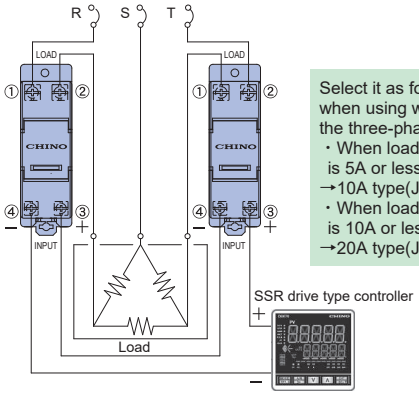
CONNECTION

《For connecting with the SSR drive type controller》

Single-phase circuit



Three-phase circuit

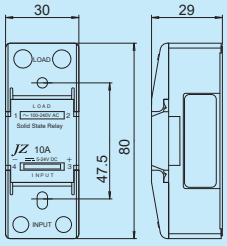


Select it as follows when using with the three-phase circuit.
・When load current is 5A or less.
→10A type(JZ1210-F0)
・When load current is 10A or less.
→20A type(JZ1220-F0)

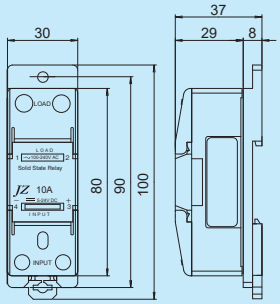
DIMENSIONS

10A/20A type

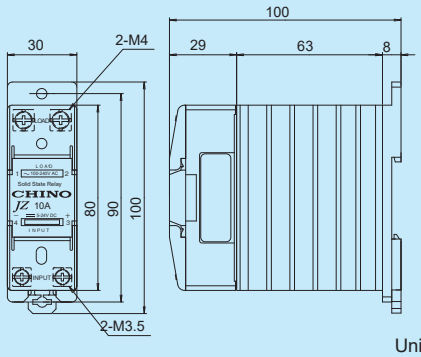
Configuration S



Configuration S + JZ911



Configuration F



Unit : mm

Specifications subject to change without notice. Printed in Japan (I) 2026.10

CHINO CORPORATION
32-8 KUMANO-CHO,ITABASHI-KU,TOKYO 173-8632
Telephone : +81-3-3956-2171
Facsimile : +81-3-3956-0915
E-mail : inter@chino.co.jp
Website : http://www.chino.co.jp/