

MODEL SSO200-25

INRUSH CURRENT SUPPRESSOR

INSTRUCTION MANUAL

KIKUSUI ELECTRONICS CORPORATION

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1. GENERAL

1-1 GENERAL INFORMATION

Model SS0200-25 is an inrush current suppressor for Kikusui PAD-L series power supplies. It suppresses inrush currents less than 150 A.

1-2 SPECIFICATION

Input Voltage	: AC 200 V \pm 10%, 50/60 Hz
Maximum Constant Input Current	: AC 25 A
Suppressed Current	: See Table 1.
Ambient Temperature Range	: 0 - 40 °C (32 - 104 °F)
Isolation Resistance	: DC 500 V, 20 M Ω or more (Between chassis and input/output terminals)
Dimensions	: 196W x 132H x 122D mm (7.72W x 5.2H x 4.8D in.)
Weight	: Approximately 1.8 kg (4 lb)
Input Power Requirement	: AC 12.6 V \pm 10%, 50/60 Hz
Power Consumption	: Approximately 0.9 VA
Suitable Model for PAD-L Series:	: See Table 1.
Protection Circuit	: Thermal guard fuse (70 °C (158 °F))
Accessories	: M6 bolt x 2

SUITABLE MODEL		SUPPRESSED CURRENT
PAD16-100L	PAD20-80L	Approx. 150 A
PAD35-50L	PAD35-60L	
PAD55-35L	PAD110-20L	

Table 1

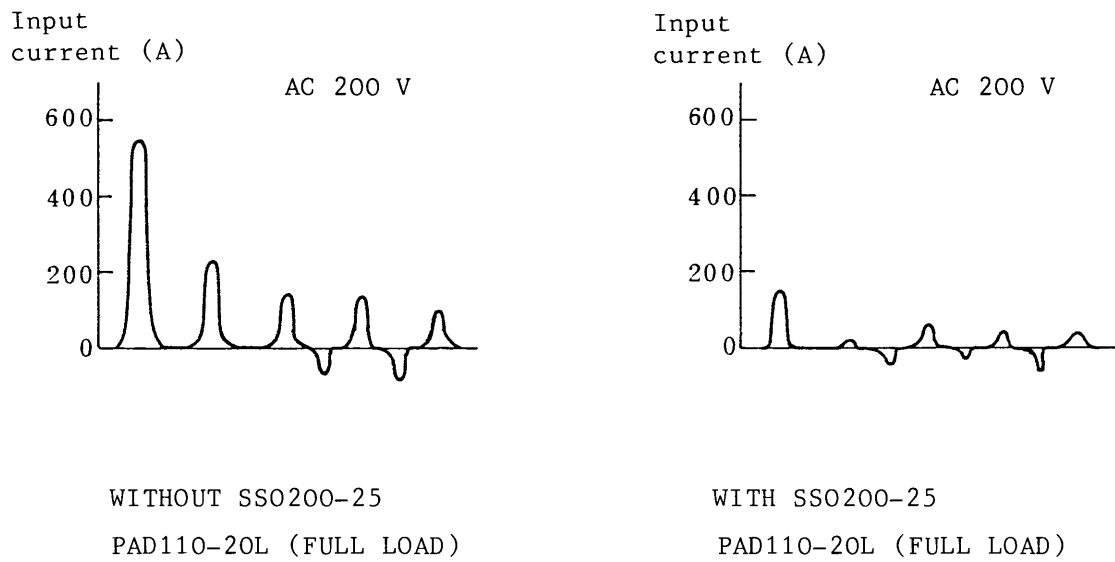
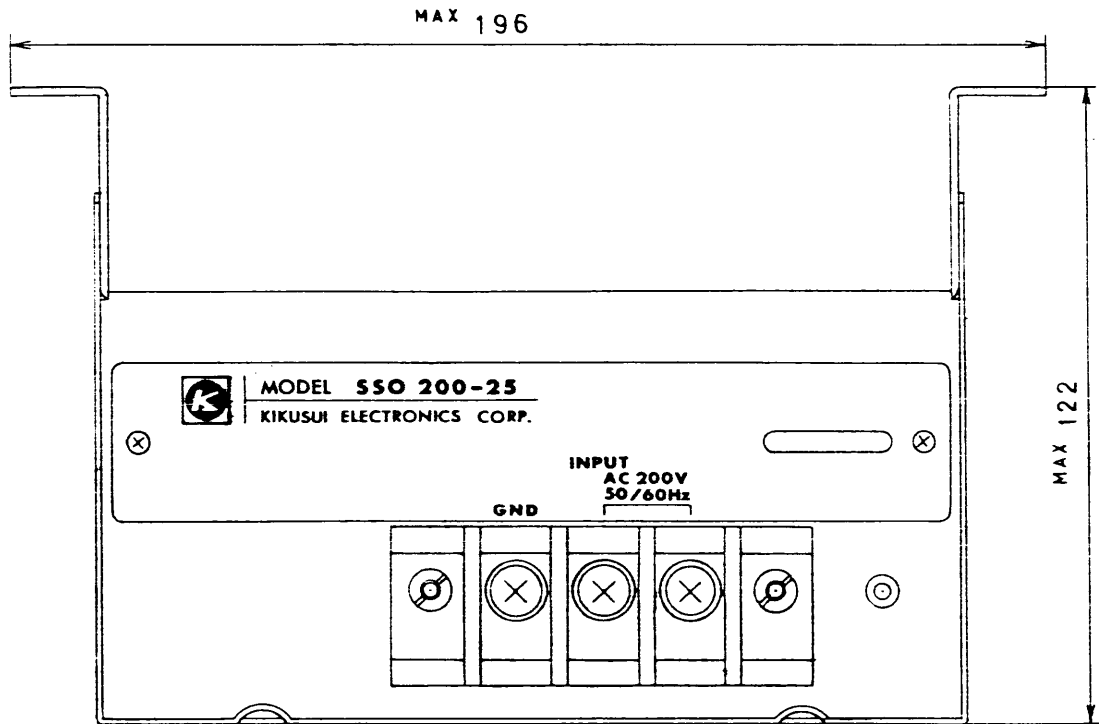
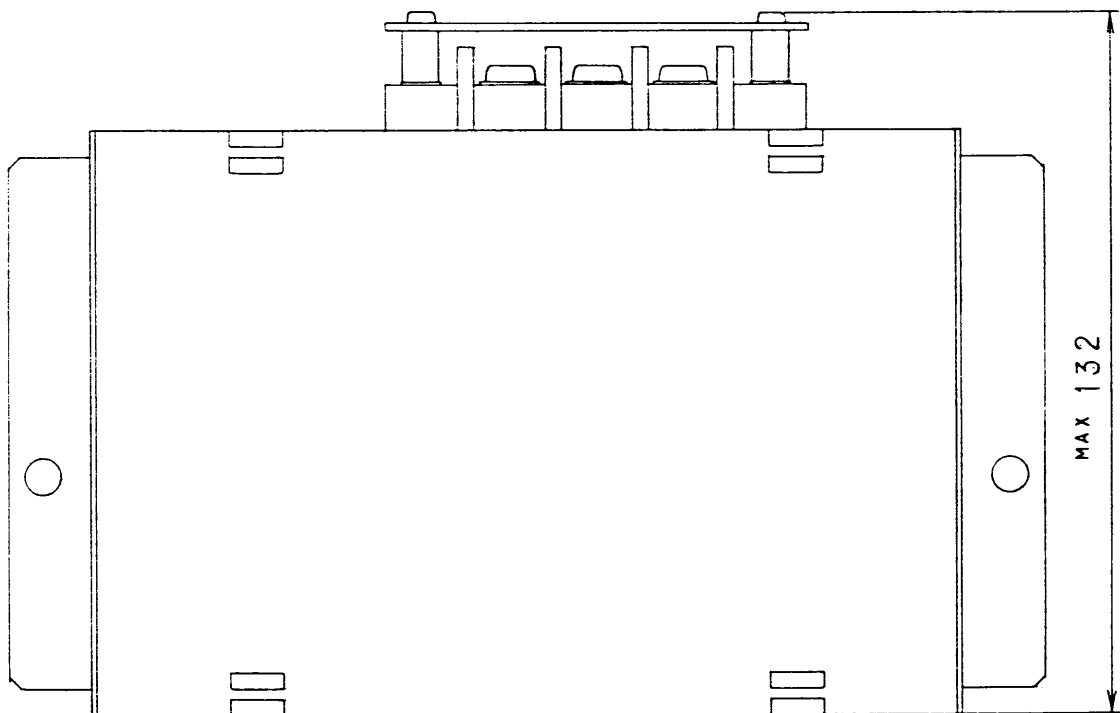


Figure 1

1-3 OUTLINE DRAWING

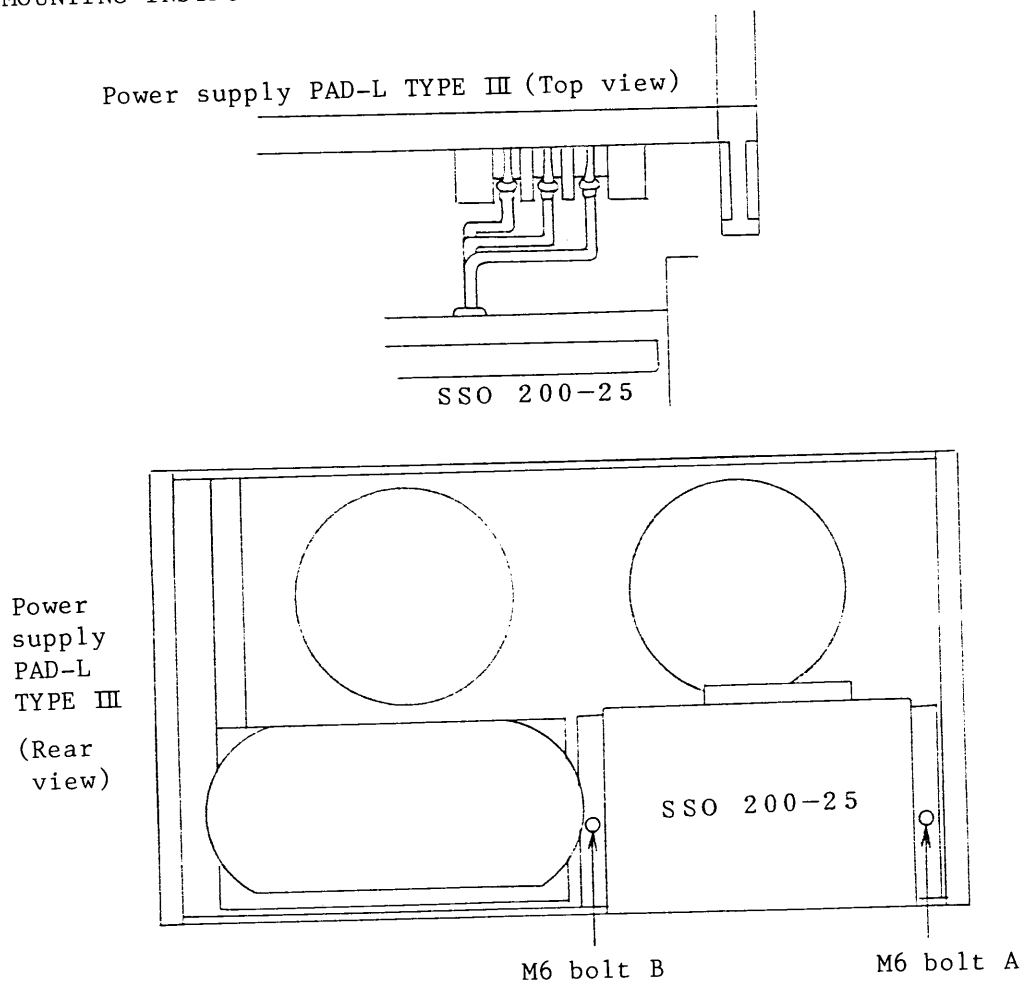


Unit: mm



2. OPERATION

2-1 MOUNTING INSTRUCTIONS



- * Make sure to turn-off the power switch and disconnect the AC cable from the AC outlet.
1. Connect the AC cable and the GND cable from the SS0200-25 to the power supply.
 2. Install the M6 bolts A, B and the SS0200-25 to the back panel of the power supply.
 3. Connect the gray cables from the SS0200-25 to the terminals ⑨ and ⑩ of the power supply.
 4. Connect the violet cables from the SS0200-25 to the terminals ⑦ and ⑧ of the power supply.
 5. Connect the AC cable and GND cable to the input of the SS0200-25.

2-2 CAUTIONARY NOTES

Check the terminals joining the (9), (10) and the gray cables from SS0200-25.

Once the power switch has been turned off, wait about 2 - 3 seconds before turning on the switch again.

Figure 3 shows the allowable characteristics for the turn-on and turn-off switch of the power supply. If the power switch is switched from on to off frequency, use a remote control function for a constant current of the power supply. (See Figure 4.)

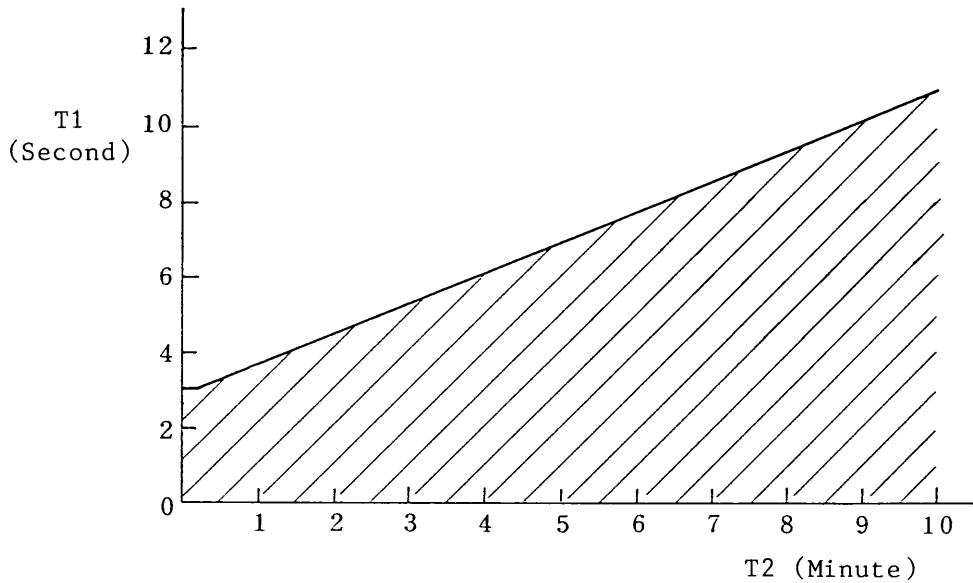
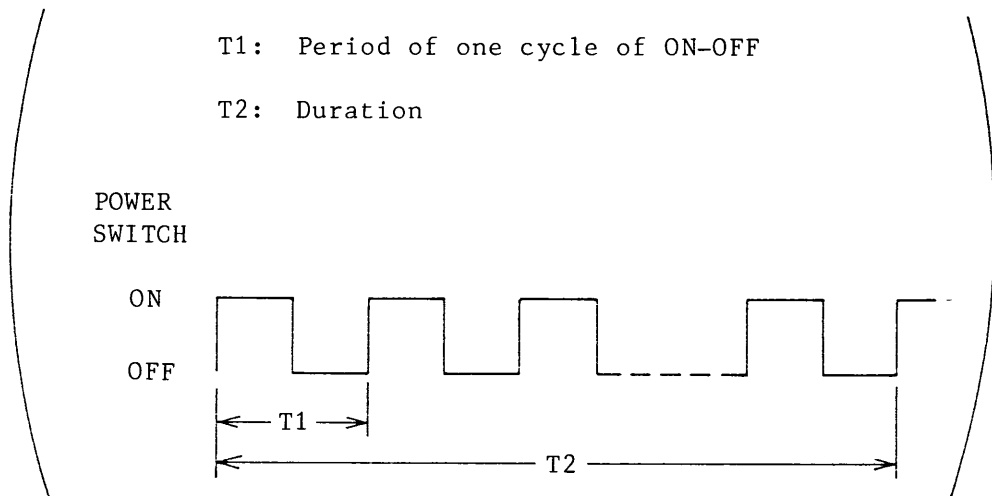
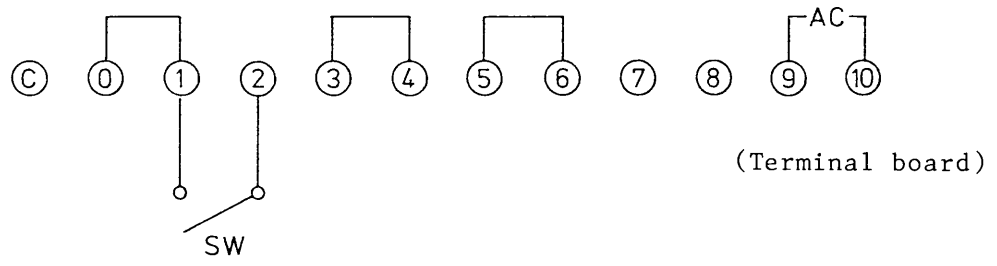


Figure 3





FOR EXAMPLE

ON-OFF control of output for PAD-L TYPE III.

Figure 4