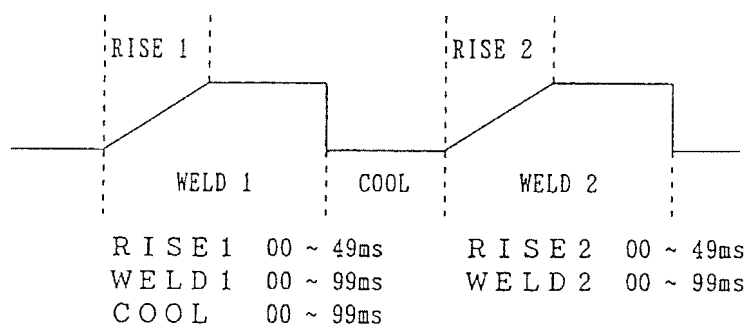


### 3. Specifications

- (1) Welding power source: 3-phase 180 V – 240 VAC, 50/60 Hz
- (2) Maximum output current: IP-100A: 1300 A  
IP-200A: 2500 A
- (3) Control frequency: 4 kHz
- (4) Maximum duty ratio: IP-100A: 5% (1000 A), 3% (1200 A), 2% (1300 A)  
IP-200A: 5% (2000 A), 4% (2250 A), 3.5% (2500 A)
- (5) Rated capacity of built-in transformer : IP-100A: 1.5 kVA (Open-circuit voltage: 5.5 V, Current: 1000 A, Duty cycle: 5%)  
IP-200A: 5.0 kVA (Open-circuit voltage: 8.1 V, Current: 2000 A, Duty cycle: 5%)
- (6) Control system: Constant-current control system
- (7) Number of settable schedules: 8 (0 – 7) <Changed by external signal or panel switch>
- (8) Timer setting range



- (9) Current setting range : (Peak value) IP-100A: HEAT 1: 200 – 1300 A  
HEAT 2: 200 – 1300 A  
IP-200A: HEAT 1: 400 – 2500 A  
HEAT 2: 400 – 2500 A
- (10) Current monitor (Peak value): Upper and lower limits of set current fluctuation are monitored at  $\pm 5\%$ .
- (11) External input signals: Schedule selection 1, 2, 4 (Schedules 0 – 7 in Binary Format), start input, welding ON/OFF, inhibition of programming, trouble reset, no-voltage a-contact input or transistor input
- (12) External output signals: Finish signal  
(Note: This is also output when current monitor is faulty.)  
Trouble signal  
Photo MOS relay (Field effect transistor (FET) output)  
Output capacity: 100 VAC, 150 mA max.
- (13) Memory protection battery: Lithium-type, Life: 5 years (After shipment)

- (14) Operating temperature range: 0 – 45°C
- (15) External dimensions: IP-100A: 269 (H) x 142 (W) x 400 (D) mm  
IP-200A: 269 (H) x 172 (W) x 400 (D) mm
- (16) Mass: IP-100A: 10 kg  
IP-200A: 12 kg
- (17) Accessories
- 1) I/O connector with 2-m start cable (2 cores): 1 piece
  - 2) Fuse (Attached inside): IP-100A:  $\phi$ 6.4 250 VAC 1 A, 25SF-10: 1 piece each  
IP-200A:  $\phi$ 6.4 250 VAC 1 A, 35SF-20: 1 piece each
  - 3) Operation manual: 1 copy