

Weld Timer Integrated in Robot Controller

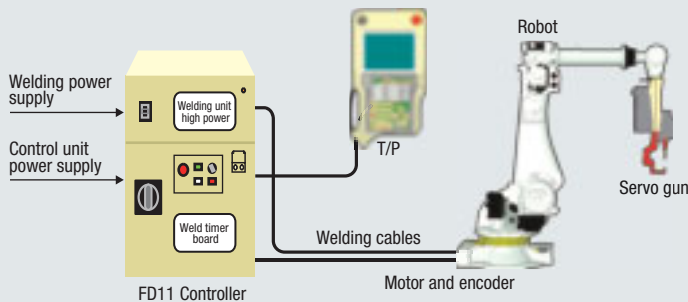
The intelligent all-in-one package

- Servo gun, weld timer and other welding functions are all integrated in robot controller
- Easy to set up welding conditions. Excellent for controlling weld quality
- Air cooling for superior maintainability and reliability



High-speed

- Robot controller and timer controller are fully integrated
- Increased speed 3.5% by thoroughly reducing wasted I/O processing time between weld timer and robot controller (compared to regular timer)
- Greater productivity coupled with high-speed of SRA series

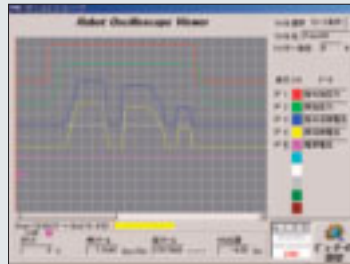


Improved Operability & Full Traceability Function

- All weld timer functions can be set from the robot's teach pendant (welding parameters, stepper counter, welding history, and welding conditions)
- Welding history of up to 9,999 welds possible
- History data can be exported
- Track signs of abnormalities on graphic display of welding current



Welding conditions setup screen



Welding results graph screen

Basic specifications

Select either AC or inverter control welding

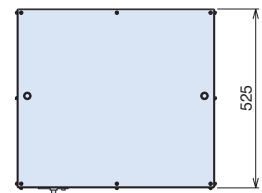
Item	Specifications	
Welding method	AC method, constant current control	DC inverter method, constant current control
Welding power supply	1-phase AC 200/220/380/400/420/440V (50Hz/60Hz)	3-phase AC 380/400/420/440V (50Hz/60Hz)
Current control method	Constant current control method AC synchronized control	Constant current control method PWM inverter control Inverter frequency 400 to 2,000 Hz
Current set value	2,000 to 60,000A	2,000 to 40,000A
Cooling method	Natural air cooling	Forced air cooling
Power device	Thyristor	IGBT
Welding gun	Servo gun (Optional air gun supported)	Servo gun
Welding conditions	255 conditions (or 16 conditions x 16 groups)	
Gun series	31 Series	
Step up	Step up, linear up	
Weld history	Maximum 9,999 welds	
Ambient temperature	0 to 45°C	
Humidity	20 to 85% (without condensation)	
Dust/drip proof	IP54 equivalent	
Size of timer controller	580mm(W)x525mm(D)x180mm(H)	580mm(W)x525mm(D)x350mm(H)

● The specifications are subject to changes without notice.

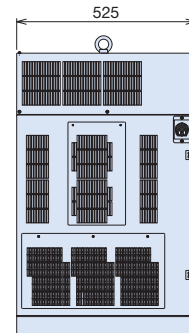
● In case that an end user uses this product for military purpose or production of weapon, this product may be liable for the subject of export restriction stipulated in the Foreign Exchange and Foreign Trade Act. Please go through careful investigation and necessary formalities for export.

External diagram of controller

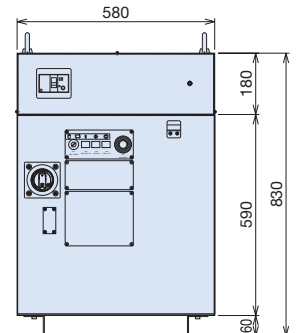
[AC timer]



[Top view]

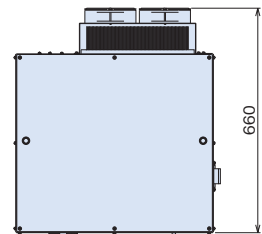


[Left view]

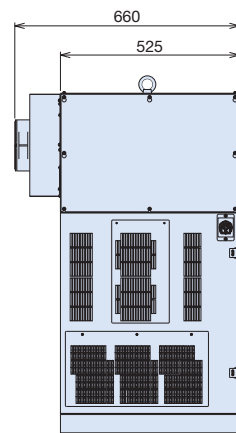


[Front view]

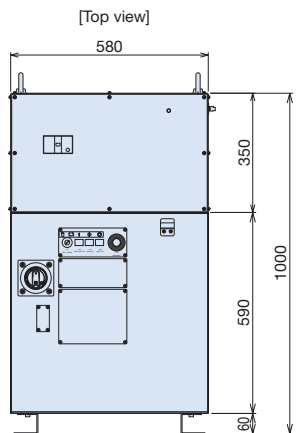
[Inverter timer]



[Top view]



[Left view]



[Front view]

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