

Welding Energy Saver

PS-WES-XX



PS-WES-XX is a microcontroller based ON/OFF controller that could be used for saving energy of the Welding Machine. Most of the welding sets consume the fairly high idling current when the machine is not in operation

1. Operation: - The system working on 3 phase supply switches the contactor (placed inside the welding machine) ON/OFF. A timer, whose operational delay could be set from 0-59 sec, shuts down the welding unit whenever the welding machine is idling. The machine would be switch ON automatically, as soon as the welding electrode touches the work-piece. This means the controller would switch on the welding machine, whenever the operator attempts to weld and would switch it off automatically, after the preset time between (0-59 seconds). These actions are field-proven controller to ensure a trouble-free welding, saving energy which is wasted otherwise. The control panels, provided with feather touch buttons, LED displays, by-pass switch to enable manual operation etc. assures a trouble-free operation, with the help of our user-friendly & well-documented user manual.

2. Product Highlights

- Time setting between 0 to 59 secs
- Two-digit seven segment display
- Status indications
- Power down memory
- Easy to install

5. Product Selection Chart

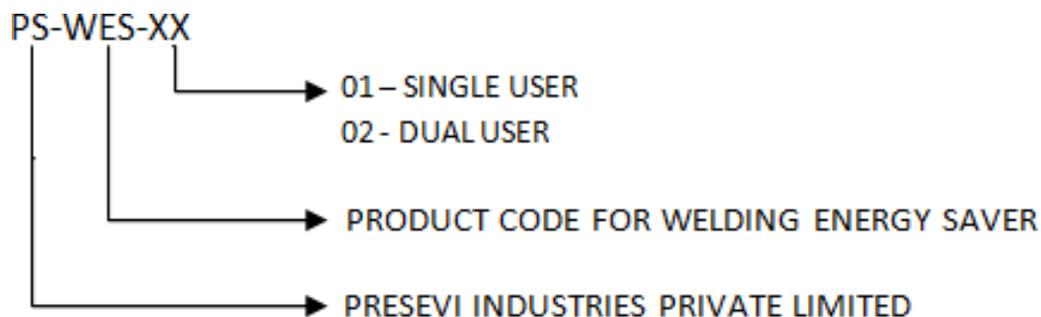


Fig. 1 Welding Energy Saver

3. Application

- Welding Machines

4. Mechanical dimensions

- L × B × H (in mm) : 120 × 120 × 62

6. Connection diagram of PS-WES-01/PS-WES-02

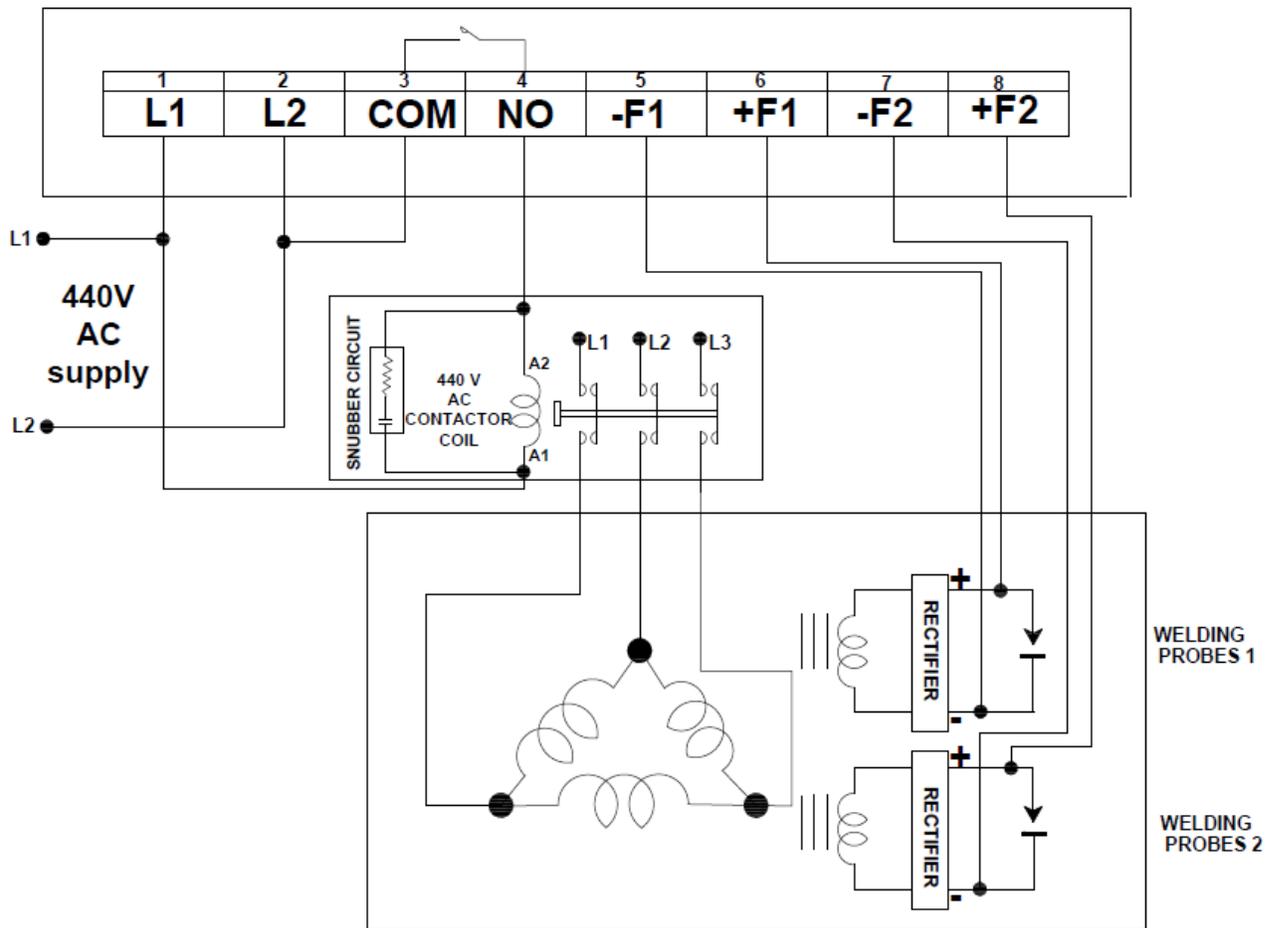


Fig 6.1 Connection diagram

- Note:**
1. Connect Neutral to contactor terminal A1 if the contactor coil voltage is 230V (or) connect L1 supply if it is 440V coil
 2. For PS-WES-01, connections 7(-F2) and 8(+F2) are not required.

7. Electrical specifications

Input Voltage (V AC)			Frequency (Hz)			Output relay rating	Power Consumption (VA)
Min.	Typ	Max.	Min.	Typ	Max.	Max	Max
350	415	440	45	50	55	7A, 230V AC	2.5

Fig7.1 Electrical specification

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