



Omron E5CVS PV Shift

The Purpose of the PV Shift is to make the temp controller as accurate as you can to the plate temperature.

 Difficulty Easy

 Duration 10 minute(s)

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Comments

Introduction

Temperature Controllers E5CSV

Easy Setting Using DIP Switch and Simple Functions in DIN 48 x 48 mm-size Temperature Controllers

- Easy setting using DIP and rotary switches.
- Multi-input (thermocouple/platinum resistance thermometer).
- Clearly visible digital display with character height of 13.5 mm.
- RoHS compliant.



NEW

Model Number Structure

Model Number Legend

Models with Terminal Blocks

E5CSV- 1 T -500
 1 2 3 4 5

1. Output type

R: Relay
Q: Voltage for driving SSR

2. Number of alarms

1: 1 alarm

3. Input type

T: Thermocouple/platinum resistance thermometer (multi-input)

4. Power supply voltage

Blank: 100 to 240 VAC
D: 24 VAC/VDC

5. Terminal cover

500: Finger protection cover

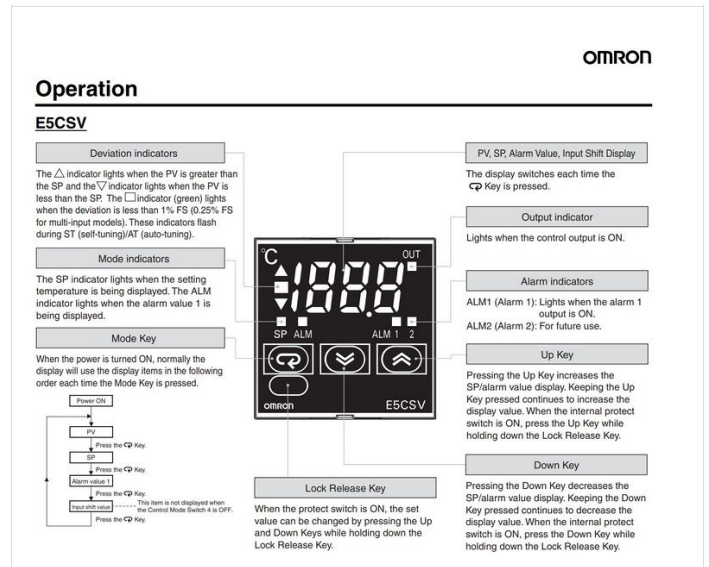
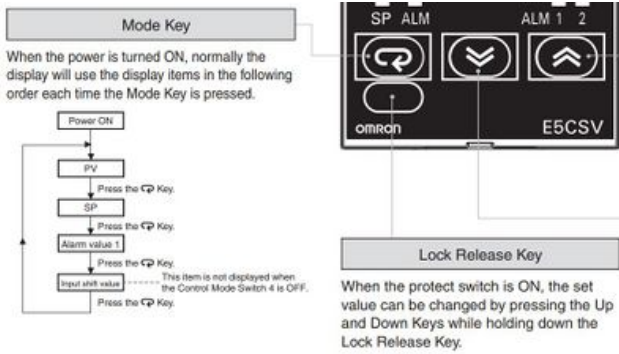


Use protective handwear

Warning for hot surface

Step 1 - Unit Operation

Using the Mode switch step through until you reach



Step 2 - Checking if Input shift is ON.

(3) Setting Input Shift

Turn ON switch 4, and after turning ON the power, press the Mode Key until H0 (indicates input shift of 0) is displayed. Press the Up and Down Keys to set the shift value.



Shift Example

Input shift display	Measured temperature	Temperature display
H0 (no shift)	100° C	100° C
H9 (+9° C shift)	100° C	109° C
L9 (-9° C shift)	100° C	91° C

Note: When control mode switch 4 is turned OFF (no input shift display), the input shift is not displayed but the shift value is scaled. To disable input shift, set the input shift value to H0. The shift range depends on the setting unit.

Setting unit	1° C	0.1° C
Compensation range	-9.9 to +9.9° C	-9.9 to +9.9° C
Input shift display	L99 to H99	L9.9 to H9.9

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Compensation range	-9.9 to +9.9° C	-9.9 to +9.9° C
Input shift display	L99 to H99	L9.9 to H9.9

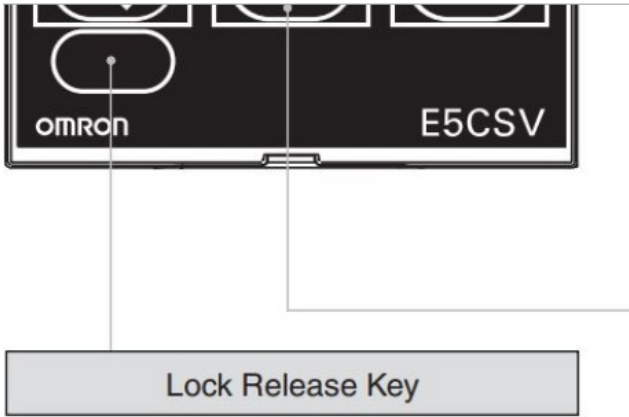
Step 3 - Adjust Shift value until Temperature at Plate is same as on Display

H0 = No offset. Temp at Plate = 230 degrees - Display on E5CSV = 240 Degrees

L10 = - 10 degree. Temp at plate = 230 degrees - Display E5CSV = 230 Degrees

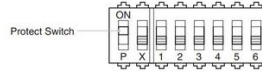
H10 = +10 degree . Temp at plate = 230 degrees - Display E5CSV = 250 Degrees

Step 4 - Checking Protection button is not locked. Dip Switch P



When the protect switch is ON, the set value can be changed by pressing the Up and Down Keys while holding down the Lock Release Key.

5. Protect Switch

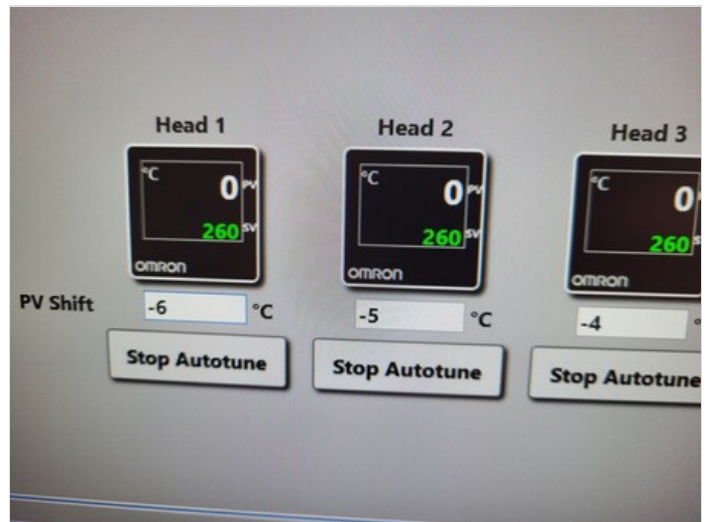
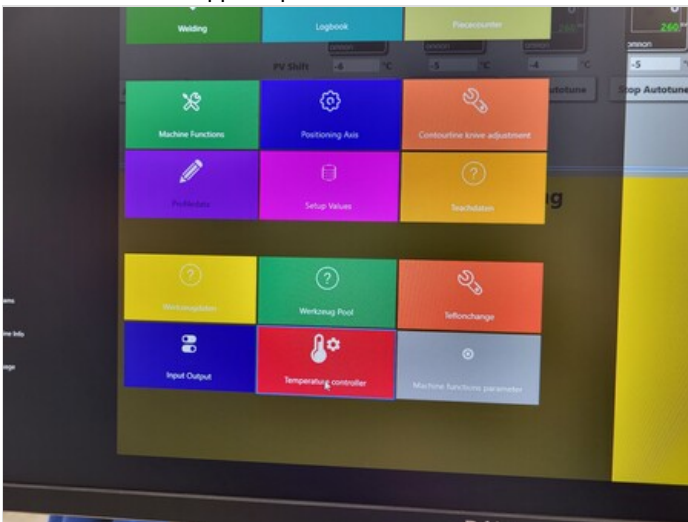


When the protect switch is ON, Up Key and Down Key operations are prohibited to prevent setting mistakes.

Step 5 - Virtual Temp Controllers - Newer Machines (SWC) 7735

Log in as a High level

Find on HDMI the App Temp controller



Step 6 - Where to Measure the Welding Plate.

Most Machine Manufactures suggest the Measuring is done by a Probe and is in Measured in the main area of the welder plate where profile is used.

Also with no Teflon fitted .

