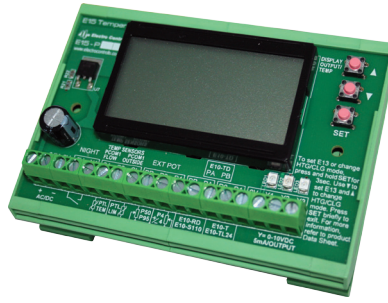


COMPENSATOR 0-10VDC FOR BOILERS OR MIXING VALVE

E15-PCOM1

The E15 Compensator can be used to adjust boiler flow temperature in relation to changes in the outside temperature. The 0-10VDC output can be used to modulate a mixing valve using a rotary actuator. Alternatively, 0-10VDC signal can be wired to a relay interface unit such as the E4RM to switch several boilers in sequence. A clear LCD display is provided to guide the user through the setup and verification.

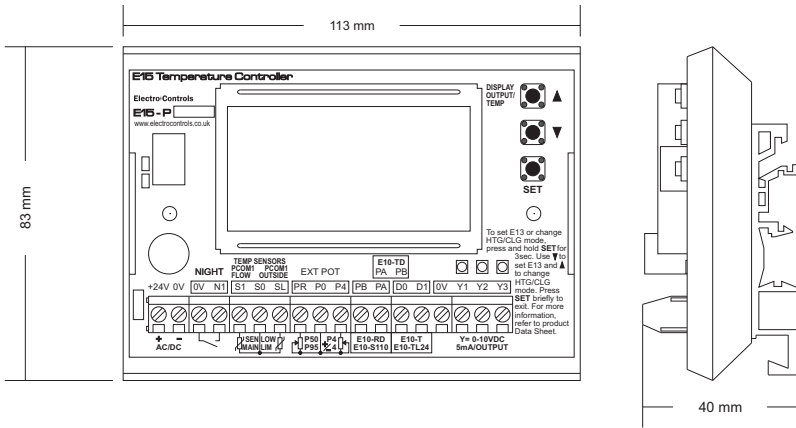
The E15-PCOM1 is compatible with the functions and accessories of E13-PCOM1.



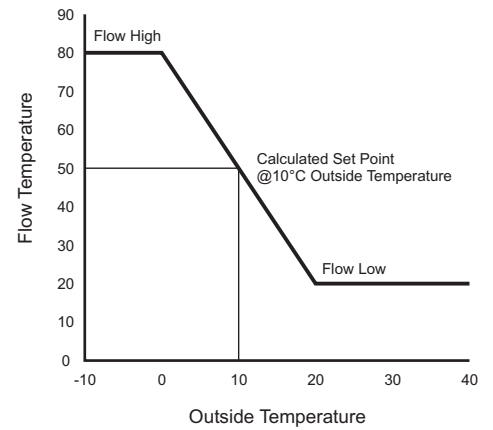
Temperature range	-10 to +95°C
Proportional Band	0.5 to 50°C
Integral Time	0 to 500s
Flow High Temp.	90°C Max
Flow Low Temp.	20°C Min
Night Setback	0 to 40°C (ext. time switch)
Temp. Resolution	0.5°C
Power Supply	24VAC/DC +/-15%
Power Consumption	2VA (without accessories)
IP rating	IP00

Type	Outputs	Functions	Mounting	Protection
E15-PCOM1	1 x 0-10VDC	HTG or CLG	Din Rail	IP00

DIMENSIONS/TERMINATION:



EXAMPLE TEMPERATURE DIAGRAMS:



SET UP:

Turn on the controller. Momentarily the display will show all the screen characters then the Product mode, *E 15 PC* or *E 13 PC*. Press and hold the **SET** button for 3 seconds. The SET CONTROL MODE: will be displayed. Press the **▼** button to toggle between the E15 and E13, and press the **▲** button repeatedly to change the HTG/CLG mode required. Press **SET** to confirm the selection. Briefly press **SET** repeatedly to select the required parameters i.e. SET POINT CALCULATED, PROP BAND, INTEGRAL, FLOW HIGH, FLOW LOW, and NIGHT SETBACK. The **▲ ▼** buttons can be used to set the numerical value required. Whilst setting the parameters, if the buttons are left for 10 seconds, the screen will return to the Temperature screen. In the Temperature screen use **▲ ▼** buttons repeatedly to show TEMPERATURE FLOW, TEMPERATURE OUTSIDE and OUTPUT Y1%.

Reverting to the default settings

Start with the power off. Hold the **▲** button down whilst turning on the power. *Lod EF* and *dEF Ld* will be displayed. Turn off the power and turn on again. The controller will now be in its normal state.

Diagnostic messages

Err 51 Flow Sensor short circuit or not connected
Err 5L Outside Sensor not connected

ACCESSORIES: See the table below for the valid accessories:

Accessory type	Accessory Part number	Selected product mode	
		E15-PCOM1	E13-PCOM1
Flow Temperature Sensor	E10-I	✓	✓
Outside Temperature Sensor	E10-X	✓	✓
Set Point adjuster	E10-P4		✓
Enclosure	EE-M2T	✓	✓

INSTALLATION: Sensor cable size 7/0.2mm. Screened cable is recommended with a maximum length of 100metres and earthed at the controller end only. Route all cables away from other power cables or devices which may cause interference.