

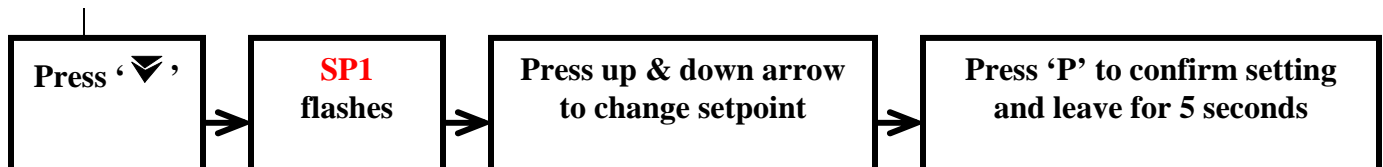
'R' SERIES QUICK PROGRAMMING GUIDE

R38S



*This guide should be used alongside the full engineering manual, appropriate to the instrument version being used, where more detailed information can be found.
The R38 manual is available to download as a .pdf file at
www.elmatic.co.uk/elmatic_products/product?product=Controllers_and_Control_Panels*

1. CHANGING THE SETPOINT:



* Other settings such as alarm, temperature and timer values can also be set in the same way, if selected

2. PROGRAMMING THE INSTRUMENT:

Elmatic controllers are supplied with default programmable settings that may be suitable for your application. However we recommend that you go through the programming process, as incorrect programming could be hazardous.

3. NAVIGATING THE PROGRAMMING MODE:

Below is an example of how to change a parameter step by step, in this case the set point low limit. This is a blueprint guide for changing all parameter settings on the instrument.



1. Press and hold **P**


2. Unit will display first parameter in menu, i.e. **SPL**

3. Press **P** to display current setting

4. Use up or down arrow to select the required setting within the parameter, ie -10 (°C)

5. Press **P** to confirm the setting and return to the parameter list

7. Use up or down arrow to select any other parameter to be modified. (repeat steps 3 – 5 to modify)

8. To exit programming press and hold  key. The display will return to the measured temperature.

FULL PARAMETER MENU [including manual ref]:

- [1] **SPL**- Minimum adjustable set point value
- [2] **SPH**- Maximum adjustable set point value
- [3] **SP1**- Control Set Point
- [4] **SP2**- Second Set Point
- [5] **AL**- Alarm setpoint value
- [6] **tun** - Autotuning for PID parameters
- [7] **Pb**- Proportional band value (Deg C)
- [8] **ti**- Integral time (seconds)
- [9] **td**- Derivative time (seconds)
- [10] **SenS**- Sensor/input type
- [11] **dP**- Decimal point select
- [12] **CA**- Offset on displayed value
- [13] **Ft**- Filter on displayed value
- [14] **OF1**- Output 1 function
- [15] **tr1**- Output 1 cycle time
- [16] **OF2**- Output 2 function
- [17] **d1**- Output 1 hysteresis or neutral zone
- [18] **d2**- Output 2 hysteresis
- [19] **ALF**- Alarm function
- [20] **ALt**- Alarm inhibition time
- [21] **Pct**- Compressor protection time
- [22] **Sst**- Soft start time
- [23] **SSP**- Power during soft start
- [24] **Ubf**- 'U' key function
- [25] **PP**- Parameter protection password
- [26] **Lo**- Key lock time out