



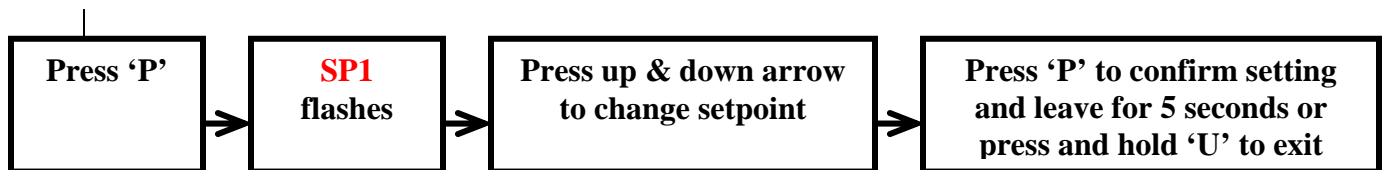
'K' SERIES QUICK PROGRAMMING GUIDE K39 & 49



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 K39 and K49 manuals are 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.

PROGRAMMING LEVELS: 381 – Basic with 10 second time out. (passnumber)
400 – Advanced with 10 second time out (see full manual)

Add 1000 to the passnumber to remove time out function.

3. NAVIGATING THE BASIC LEVEL PROGRAMMING MODE:

Below is an example of how to change a parameter step by step, in this case the sensor type. This is a blueprint guide for changing all parameter settings on the instrument within the 381 menu.



1. Press and hold **P**

2. Pass is displayed along with 0

3. Press and hold up arrow. Dial in 1381

4. Press **P** again to confirm

5. Unit will display first parameter in menu, i.e. Sens

6. Use up or down arrow to select the required setting within the sens parameter, i.e. crAL

7. Press **P** to confirm the setting

8. Unit then accepts the chosen setting and moves automatically to the next parameter in menu, i.e. dP. **(Repeat steps 6-7)**

9. To exit programming press and hold **U** key to return to the displayed temperature.

381 FULL PARAMETER MENU [inclu. manual ref]:

- [2] **SenS**- Sensor/input type
- [3] **dP**- Decimal point select
- [6] **unit**- Engineering unit
- [12] **o1F**- Output function 1
- [15] **o2F**- Output function 2
- [52] **cont** - Control type
- [53] **Auto** - Autotuning for PID parameters
- [58] **Pb**- Proportional band value (Deg C)
- [59] **int**- Integral time (seconds)
- [60] **dEr**- Derivative time (seconds)
- [61] **Fuoc**- Fuzzy overshoot control
- [62] **H.Act**- Type of output used for control
- [73] **SPLL**- Minimum adjustable set point value
- [74] **SPHL**- Maximum adjustable set point value
- [75] **SP1**- Control Set Point
- [24] **AL1t**- Alarm 1 type/ function.
- [26] **AL1L**- Minimum adjustable alarm 1 value
- [27] **AL1H**- Maximum adjustable alarm 1 value
- [28] **AL1**- Alarm 1 setpoint value
- [29] **HAL1**- Alarm 1 hysteresis (Differential)
- [32] **AL2t**- Alarm 2 type/ function
- [84] **tr.F**- Independent timer function
- [89] **Pr.F**- Programmer function