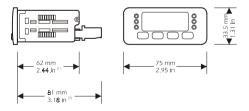


PREPARATIONS

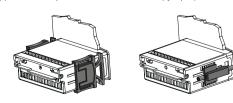
1.1 How to install the instrument

Panel mounting, panel cut out 71 x 29 mm (2.79×1.14 in), with click brackets (they are supplied by the builder) or screw brackets (by request).



(1) maximum depth with screw terminal blocks (standard model)

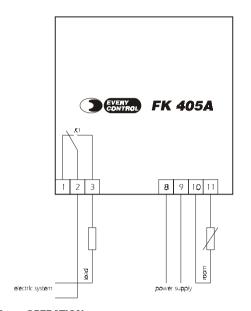
(2) maximum depth with extractable terminal blocks (by request).



installation with click brackets (on the left-hand side, they are supplied by the builder)

and screw brackets (on the right-hand side, by request); if you are using screw brackets, you have to moderate the clamping torque, in order not to damage the box and screw brackets.

1.2 Electrical connection



2 OPERATION

2.1 Preliminary information

During the normal operation the instrument shows the room temperature.

2.2 Load operation

Once you have turned the instrument ON, the load will be forced ON for the time you have set with the parameter d3; on afterwards, it will work in accordance with the working setpoint and parameter r0 (heating action).

3 WORKING SETPOINT

3.1 How to set the working setpoint

If you have to modify the working setpoint value:

■ press set and ↑ or ↓ (3)

(3) you can set the working setpoint between -40 and 99 °C (-40 and 99 °F).

4 CONFIGURATION PARAMETERS

4.1 How to set the configuration parameters

If you have to gain access the procedure:

• press • and • for 4 s \ \ \ \ \ : the instrument will show \(\rac{1}{2} \)

If you have to select a parameter:



If you have to modify the value of the parameter:

press

set al	nd(^	
_	_	_	

or (+)

If you have to guit the procedure:



for 4 s or do not operate for about 60 s.

SIGNALS

5.1 Signals

LED	MEANING
out	Load LED
	if it is lighted, the load will be ON
LED	Load forced ON LED
below	if it is lighted, the load will be forced ON (look at the parameter d3)
out	

ALARMS

Alarms

6.1 A	arms		
CODE	reasons	REMEDIES	EFFECTS
E 2	there is the corruption	switch off the power	• you can not gain
corrupted	of the configuration	supply of the instru-	access the setting
memory	data of the memory of	ment: unless the alarm	procedures
data	the instrument	disappears, you will	• the load will be
		have to change the	forced OFF
		instrument	
E 0	• the kind of room	• test the integrity of	the load will be forced
room	probe you have con-	the probe	OFF
probe	nected is not right	• test the instrument-	
alarm	• the room probe	probe connection	
	plays up	• test the temperature	
	• the connection in-	close to the probe (it	
	strument-room	has to be between	
	probe is wrong	the limits allowed by	
	• the room tempera-	the working range)	
	ture is outside the		
	limits allowed by the		
	working range of		
	the instrument		

The instrument shows the indications above flashing.

TECHNICAL DATA

7.1 Technical data

Box: self-extinguishing grey.

Size: 75 x 33.5 x 62 mm (2.95 x 1.31 x 2.44 in) the model with screw terminal blocks (standard model), 75 x 33.5 x 81 mm (2.95 x 1.31 x 3.18 in) the model with extractable terminal blocks (by request).

Installation: panel mounting, panel cut out 71 x 29 mm (2.79 x 1.14 in), with click brackets (they are supplied by the builder) or screw brackets (by request).

Frontal protection: IP 65.

Connections: screw terminal blocks with pitch 5 mm (0.19 in, standard model) for cables up to 2.5 mm² (0.38 sq in, power supply, input and output) or extractable terminal blocks with pitch 5 mm (0.19 in, by request) for cables up to 2.5 mm² (0.38 sq in, power supply, input and output).

Ambient temperature: from 0 to 55 °C (32 to 131 °F, 10 ... 90% of relative humidity without condensate).

Power supply: 12-24 Vac/dc, 50/60 Hz, 1.5 VA (standard model) or 12 Vac/dc, 50/ 60 Hz, 1.5 VA (by request).

Measure inputs: 1 (room probe) for NTC probes.

Working range: from -40 to 99 °C (-40 to 210 °F).

Setpoint range: from -40 to 99 °C (-40 to 99 °F).

Resolution: 1 °C.

Display: one red LED 3-digit display 13.2 mm (0.51 in) high, output status indicators.

Outputs: one 10 A @ 250 Vac relay (change-over contact).

WORKING SETPOINT AND CONFIGURATION PARAMETERS

8.1 Working setpoint

LABEL	MIN.	MAX.	U.M.	DEF.	WORKING SETPOINT
	-40	99	°C	50	working setpoint

8.2 Configuration parameters

LABEL	MIN.	MAX.	U.M.	DEF.	MEASURE INPUTS
/1	-55	99	°C	0	room probe calibration (you have to set eight points for adjusting one degree)

LABEL	MIN.	MAX.	U.M.	DEF.	REGULATOR
r0	1	15	°C	2	hysteresis (differential, it is relative to the working setpoint)

LABEL	MIN.	MAX.	U.M.	DEF.	LOAD FORCED ON
d3	0	99	min	40	time the load is forced ON since you turn the instrument ON