# IC 915 THERMOSTAT INSTRUCTION

## POWER-ON
During the normal operation the instrument shows the water temperature.

## Control and command panel

1 **SET** : Key for programming temperature
2 ↑ : Key for increasing temperature
3 ↓ : Key for decreasing temperature
4 out1 : on; cooling
               blink; cooling predisposition
5 out2 : on; Heating (if present)
               blink; heating predisposition
6 fnc : esc function (quit)

## Programming temperature

Press the "set" button (1) and release it to access the machine menu.
Once the 'SP1' label has been displayed, press the "set" button to display the Set point value.
The Set point value appears on the display.
To change the Set point value, use the "UP" (2) and "DOWN" (3) buttons within 15 seconds.
If you press the "set" button again, when the fnc button is pressed or 15 seconds elapse, the last value displayed will be stored and the "SP1" label will reappear on the display.

## Alarms

| Display | Description | Remedy |
|---------|-------------|--------|
| E 1 | probe error | Check the integrity of the probe and the connections of the instrument |

**NOTE: The differential respect to the set point is 1°C.**

## Electrical connections

Terminal 1 and 2     compressor
Terminal 4 and 5     heater (if present)
Terminal 6 and 7     power supply 12V
Terminal 8 and 10   probe (NTC)

# PROGRAMMING THERMOSTAT IC 915

## ATTENTION!

These instructions shall be used on your own responsibility.

So TECO shall not be liable for any indirect, special, incidental or consequential damages, whether based on tort (including negligence), product liability or otherwise, even if has been advised of the possibility of such damages.

### Programming menu

To access the Programming menu, hold the "set" button down for more than 5 seconds.

When the "set" button is pressed, the display show PA1

Press the "set" button then set 19 and press the "set" button

The display show rE1

By using the 'UP' e 'DOWN' buttons, you can scroll through all the folders in the programming menu

By pressing the "set" button for the selected folder the first parameter is displayed.

Use the "UP" and "DOWN" buttons to select the required parameter.

Press "set" to display the selected parameter value and use the "UP" and "DOWN" buttons to change it.

Once the "set" button has been pressed (or the 15 second time out elapses) the new value is stored and the label of the corresponding parameter will be displayed.


*WARNING:* do not switch-off the instrument before leaving the set mode. In other case new settings will be loosed.

*NOTE:* At each level in both menus, when the "fnc" button is pressed or the 15 second time out elapses, you are taken back to the higher display level and the last value on the display is stored.


## *Configuration parameters*

| Folder | Display | Description | value °C | value °F |
|---|---|---|---|---|
| | S P 1 | Set point | 15 | 59 |
| Folder rE1 | H C 1 | controller operation | C | C |
| | d b 1 | dead band | 1 | 2 |
| | d F 1 | differential | 0 | 0 |
| | H S 1 | maximum setpoint | 30 | 86 |
| | L S 1 | minimum setpoint | 5 | 41 |
| | d n 1 | start-up delay | 1 | 1 |
| | d o 1 | minimum delay between off and the following activation | 3 | 3 |
| | d i 1 | minimum delay between two activation in succession | 0 | 0 |
| | d E 1 | shut-down delay | 1 | 1 |
| | O n 1 | start-up time if probe is faulty | 0 | 0 |
| | O F 1 | shut-down time if probe is faulty. | 1 | 1 |
| Folder rE2 | H C 2 | controller operation | H | H |
| | d b 2 | dead band | 1 | 2 |
| | d F 2 | differential | 0 | 0 |
| | H S 2 | maximum setpoint | 30 | 86 |
| | L S 2 | minimum setpoint | 5 | 41 |
| | d n 2 | start-up delay | 1 | 1 |
| | d o 2 | minimum delay between off and the following activation | 0 | 0 |
| | d i 2 | minimum delay between two activation in succession | 0 | 0 |
| | d E 2 | shut-down delay | 1 | 1 |
| | O n 2 | start-up time if probe is faulty | 0 | 0 |
| | O F 2 | shut-down time if probe is faulty. | 1 | 1 |
| Folder diS | L O C | Keyboard locked | n | n |
| | P A 1 | programming password | 19 | 19 |
| | n d t | decimal display | n | n |
| | C A 1 | Calibration probe | 0 | 0 |
| | d r o | unit of measure | C | F |
| Folder CnF | H 0 0 | kind of probe | ntc | ntc |
| | H 0 1 | Output link | 2 | 2 |
| | H 1 0 | Output delay from power-on | 0 | 0 |
| | r E L | Device version (read only) | | |
| | t A b | Reserved | | |