

Thermostat WFHT LCD 24 VAC/ WFHT LCD 230 VAC

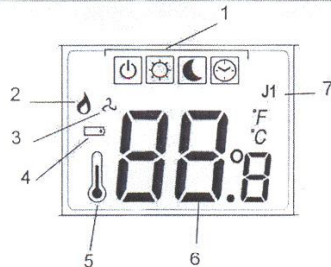


CHARACTERISTICS

- 24 VAC/ 230 VAC Power supply
- 24 VAC/ 230 VAC Actuators
- Room temperature
- Comfort & Reduced temperatures
- Dual Air and Floor sensor (Floor optional)
- Air or Floor temperature regulation
- Floor temperature limitation (Low & High)
- Installation parameters infinite memory
- Reset (CLr) function

DISPLAY

1. Operating mode menu
2. Heater in operation
3. Cooler in operation
4. Batteries weak
5. If lit-up 6 displays the measured (Air or Floor) temperature
6. Measured temperature or set temperature
7. Title for installation Parameters (rF, J0, CLr...)



MODES DESCRIPTION

Use OK key to change the mode in the Operating mode menu
For all operating modes the receiver switch should be placed on AUTO position.

COMFORT operating mode :

Force comfort temperature operation indefinitely.
By pressing +/- keys the comfort temperature starts to blink and can be adjusted.
The measured temperature reappears after a few seconds.
The WFHT LCD regulation will now follow the comfort temperature.

REDUCED operating mode :

Force reduced temperature operation indefinitely.
By pressing +/- keys the comfort temperature starts to blink and can be adjusted.
The measured temperature reappears after a few seconds.
The WFHT LCD regulation will now follow the reduced temperature.

OFF mode :

Use this mode if your Heating installation needs to be turned OFF.
The WFHT LCD will switch off the installation and then switch itself OFF (blank screen).
Parameters are saved and battery consumption becomes very low.
Any key will wake up the WFHT LCD.
DANGER: has your thermostat is stopped YOUR INSTALLATION CAN FREEZE.

External PILOT WIRE mode:

The WFHT LCD will follow the external PILOT WIRE signal to switch between comfort and reduced temperature.

- ☀ blinks when in comfort temp.
- 🌙 blinks when in reduced temp.

INSTALLATION PARAMETERS

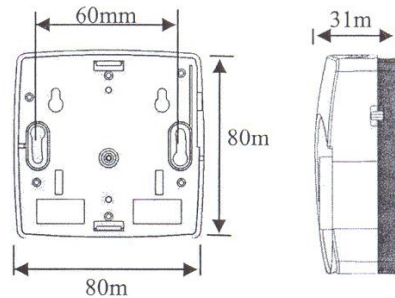
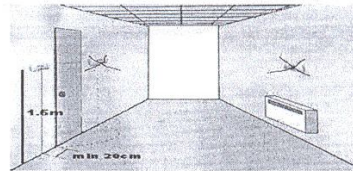
- J0 : °C / °F temperature display selection
- J1 : Hot / Cold regulation mode. Select Hot for a Heater system, select Cold for a Cooling system
- Cy : Proportional Integral regulation time cycle value in minutes (default: 15 minutes cycle)
- bp : Proportional Integral regulation band amplitude value in degrees °C/°F (default: 2.0°C/3.6°F)
- J4 : NC/NO Normally Closed or Normally Open actuators selection
- J5 : Select PMP to perform an 1 minute exercise everyday (if installation inactive during a day)
- J6 : Air or Floor temperature regulation selection. (if no Floor sensor, regulation will use Air sensor)
- J7 : rEG (Proportional Integral) or HYs (0.3°K Hysteresis) regulation type selection
- Cp : Proportional Integral regulation temperature compensation value in °C/°F (default: 2.0°C/3.6°F)
- Ao : Air sensor offset adjustment (default: no offset). Display measured Air sensor value
- Fo : Floor sensor offset adjustment (default: no offset). Display measured Floor sensor value
- FL : Floor temperature LOW limitation (default: 5°C/41°F), effective only if floor sensor present
- FH : Floor temperature HIGH limitation (default: 28°C/82°F), effective only if floor sensor present
- CLr : Press OK key during 5s to reset all the WFHT LCD parameters to factory defaults
- End : Press OK key to exit installation parameter menu and return to normal operation

* (Default parameters are underlined.)

TECHNICAL CHARACTERISTICS

Measured temperature precision	0.1°C (or 0.2°F)
Set temperature precision	0.5°C (or 0.5°F)
Set temperature range	In comfort & reduced : 5°C – 35°C (or 41°F – 95°F)
Regulation characteristics	Dual sensor Air/Floor with Proportional Integral regulation Floor temperature limitation (Floor sensor optional) Cycle: 15 minutes (adjustable see installation menu) Anti-short cycle: 3 minutes stopped, 2 minutes operation
Electrical Protection	WFHT LCD Class II - IP30
Power Supply	WFHT LCD 24 VAC : 24 VAC WFHT LCD 230 VAC : 230 VAC
Output	WFHT LCD 24 VAC: TRIAC to drive up to 3 Actuators 24 VAC, 15 W max. WFHT LCD 230 VAC: TRIAC to drive 230 VAC Actuators, 100 W Max.
External Floor sensor	NTC (10K Ohms)

INSTALLATION



WIRING INSTALLATION

