

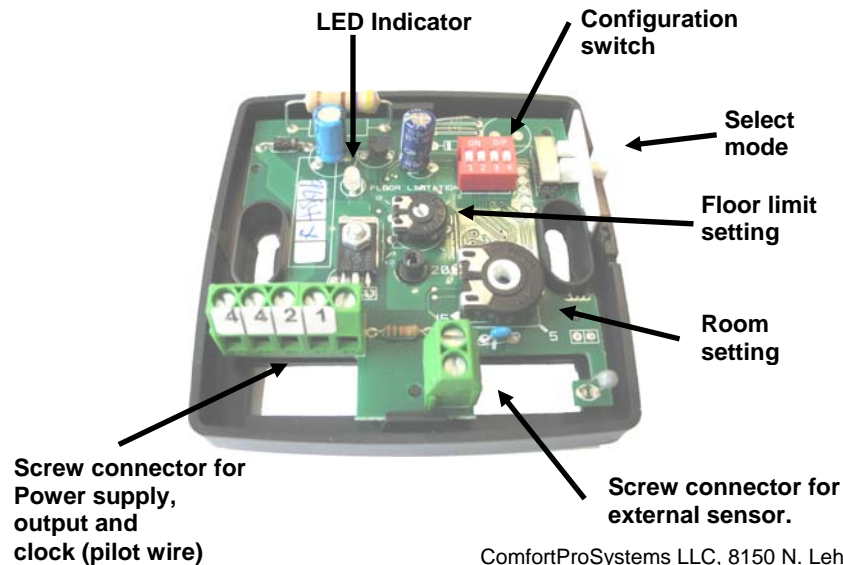
**USER GUIDE**

**Dual Sensing Thermostat 24Vac ANC CPS 450009**

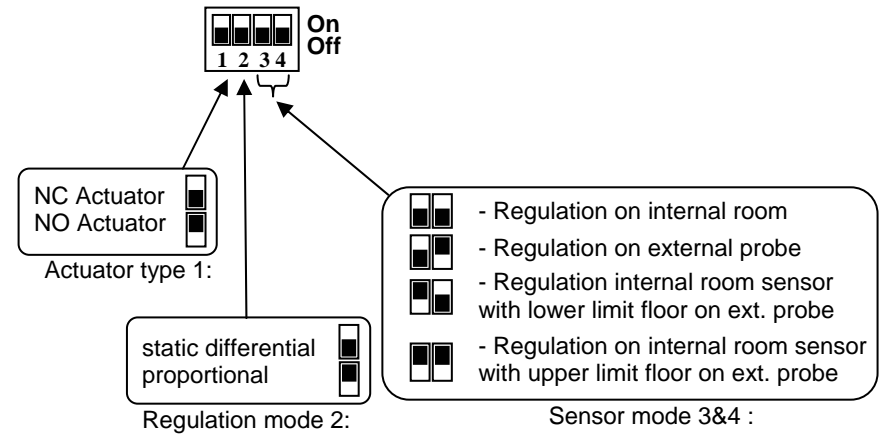


**MODES DESCRIPTION**

- Electronic thermostat with night reduction mode for water floor heating systems controlled by actuators.
- External pilot wire for night reduction, equipped with a switch to select comfort, reduction or clock mode.
- Possibility to regulate either the floor or room temperature, or combined (in this case, the floor sensor is used as temperature limiter)
- Silent, triac-based output to be connected directly to actuators (see connection diagram on the installation sheet) or to our ProZone system. (In this case please refer to the ProZone Master/Slave datasheet)



**CONFIGURATION SWITCH**



**LED INDICATOR**

- Red:** - Heating indication
  - Green:** - reduction mode by clock (pilot wire)
  - Orange:** - Heating during reduction mode by clock (pilot wire)
- Green blinking:**
- 0.5 second cycle => Internal & external sensor failures
  - 1 second cycle => Internal sensor failure
  - 2 second cycle => External sensor failure

**TECHNICAL CHARACTERISTICS**

Measured temperature precision	0.2°F
Operating temperature	32°F – 122°F
Setting temperature range	41°F - 86°F
Floor limiting temperature range	50°F - 104°F
Regulation characteristics	Proportional band 10min for 2°K or Static differential 0.5°K
Electrical Protection	Class II - IP30
Power Supply	24 VAC +/- 10%
Output	TRIAC output 24 VAC, 15 W max. ( 4 actuators CPS 22C type, Part # 450022)
External Floor sensor	NTC (10K Ohms) 9ft
Soft version	V 1.4x