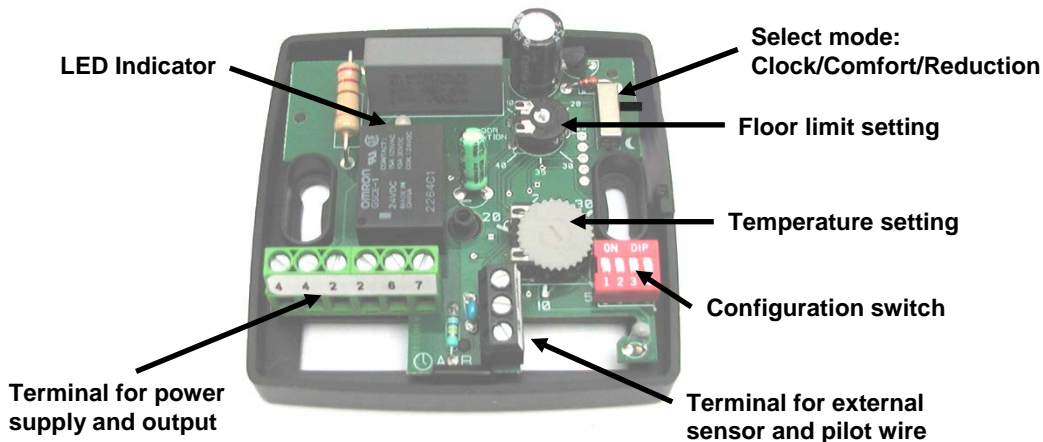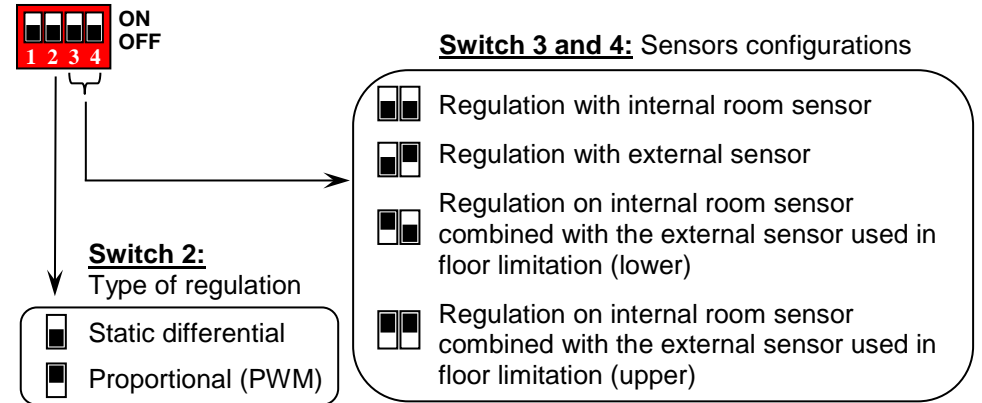17.02.24-01EN

Optional external sensor 10 kΩ at 25°C

DESCRIPTION

- Electronic thermostat with "dual sensing" for electrical heating systems: radiant panels, underfloor heating, panel radiators etc.
- Equipped with a 3-position switch to select different function modes:
  Clock = Night reduction with 4°C, by pilot wire (external clock)
  Comfort = Normal operation
  Reduction = Fixed reduction of 4°C
- Possibility to regulate either the room or floor temperature, or combined (in this case, the optional floor sensor is used as a temperature limiter).

LED Indicator

Select mode: Clock/Comfort/Reduction

Floor limit setting

Temperature setting

Configuration switch

Terminal for power supply and output

Terminal for external sensor and pilot wire

CONFIGURATION SWITCH

Switch 3 and 4: Sensors configurations

Regulation with internal room sensor

Regulation with external sensor

Regulation on internal room sensor combined with the external sensor used in floor limitation (lower)

Regulation on internal room sensor combined with the external sensor used in floor limitation (upper)

Switch 2: Type of regulation

Static differential

Proportional (PWM)

LED INDICATOR

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

TECHNICAL CHARACTERISTICS

Operating voltage, power supply	230V~ +/- 10%
Rated current / Relay	10A resistive load, 230V~
Appliance and protection class	Class II - IP30
Setting range, temperature	5°C – 30°C (41°F – 86°F)
Operating temperature	0°C – 50°C (32°F – 122°F)
Switching differential	0.1°C (0.2°F)
Regulation characteristics	Proportional band 10 min for 2K or static differential 0.5K
Floor limitation, temperature range	10°C – 40°C (50°F – 104°F)
Optional external floor sensor	NTC (10 kΩ), Class II, 3 meter