

# EBERLE

## INSTAT 8

### Clock thermostat for flush mounting



#### Features:


















- Three different heating systems inside the same device (room control, floor control and room control with floor temp. limitation)
- 2, 4, 6 selectable times for each day
- 3 adjustable temperatures (comfort, standard, night)
- Extra daily programme (for special cases, e.g. holidays)
- 5 pre-set programmes
- Manual Operation that enables:
  - changing the temperature until the next programme event
  - permanently changing the temperature
- Going out/Returnig home function for a quick temperature setback
- ON/OFF function
- Access protection
- Holiday function
- Party Function
- Runtime Counter (1 through 9999 hours)
- Pump/Valve protection
- Room or setpoint temperature display, selectable
- Temperature re-calibration (to meet individual needs)
- Changeover between heating and cooling (e.g. for floor cooling systems)
- Remote sensor optional
- LCD-Display with clear, simultaneous indication of Room Temperature, Time, Day, Operation Mode, Time Zone, Temperature Zone
- Menu-driven operation through 4 keys
- for conduit box Ø 60 mm

## Applications:

The electronic Room Temperature Controller *INSTAT 8* can be used to control the room temperature via:

- Actuators for floor and convector heating systems
- Oil and gas fired hot water heating systems
- Circulating pumps
- Heat pumps
- Electric space heaters
- Electric floor heating systems
- Room temperature control with floor temp. limitation

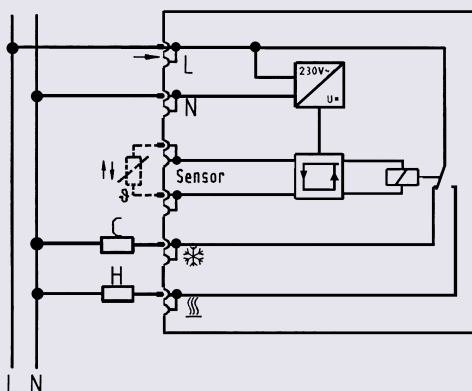
## Function elements:

- |  |  |
|--|--|
|  Weekly programme       |  Morning                |
|  Daily programme        |  Early morning          |
|  Manual operation       |  Noon                   |
|  Party                  |  Afternoon              |
|  Holiday                |  Evening                |
|  Time setting           |  Night                  |
|  Switching time setting |  1 Comfort temperature  |
|  Temperature setting    |  2 Standard temperature |
|  |  3 Setback temperature  |

## Technical data

Ref.-No	0525 35 146 061
Setpoint temperature	5...40°C, in steps of 0.5 K
Display range actual temperature	0...60°C, in steps of 0.1 K
Power supply	230 V AC (195 ... 253 V) 50/60 Hz
Control algorithm	Fuzzy (similar to PID) or ON/OFF selectable
PWM cycle duration	~10 min (sum of on and off time of Pulse-Width-Modulaton PWM)
Relay for load	1 potential-driven c/o relay
Switching current	8 A cos φ = 1, 2 A cos φ = 0.6
Display	LCD-display
Display size	29.7 x 21.5 mm (w x h)
Digit size	8 mm for temperature, 6,5 mm for time
Clock Display mode	24-hour clock, 1-minute steps
minimum switching time	10 minutes
Power reserve	~4 hours
Holiday function	5...40°C; in steps of 0.5°; settable from 1 to 199 days
Runtime counter	0 to 9999 hours
Temperature sensor	NTC (built-in)
Remote sensor	Type F 193 720, length 4 m or F 190 021 for wall mounting both extendable up to 10 m
Housing protection rating	IP 40
Device protection class	II

## Wiring diagram



## Dimensions

