

FI Tnp

The ideal energy saver



- Easy-to-read, large backlit display
- One line of scrolling text for simple operation
- ECO input for temperature change over via external timer (e.g. set back)
- Very easy change over between 2 temperatures (Comfort, Set-back)
- Ideal for the combination hydronic underfloor heating systems and Ceramic Stove
- Load interruption for electric underfloor heating systems according to EN 50559

FITnp Flexible and energy-saving control

Building owners, developers and renovators wishing to go easy on their carbon footprint and their own pockets are constantly looking for ways of conserving energy – and saving money

The most effective way of all is the use of modern control technology, since this achieves the biggest savings effect at the lowest cost. For this reason EBERLE Controls, manufacturer of regulating and control systems, has extended its product range with the addition of the FIT[®] np thermostat for individual room temperature control.



User settings according to individual needs

OPTIMISED ENERGY SAVING

- ECO-Input ☺ is active, it will be adjusted to the configurable temperature e.g. night set-back
- Time limit for manually changed temperature
- Shorttime Timer (Party) function: specific temperature for configurable duration
- Monitoring of energy consumption (heating time x cost) e.g. for the last 2 days, week, month, year
- Range limits for adjusting max. and min. temperature
- Display of temperature adjustable
- OFF Function
- Frost protection

EASY TO ADAPT TO DIFFERENT HEATING APPLICATIONS

- Control mode PID with PWM or ON / OFF
- PWM cycle time, minimum ON/OFF time and hysteresis adjustable
- Always provides the minimum floor temperature (Ceramic Stove Controller FITnp 3L)
- Minimum and maximum floor temperature while controlling the room temperature (limiter variant FITnp 3L)
- Switch-on delay, e.g. for boilers
- Heating or cooling mode, suitable for NC valves
- Valve protection for hydronic systems
- Variants with relay NO or changeover contact
- Load interruption for electric underfloor heating systems according to EN 50559
- Wallpaper thickness adjustment
- Outstanding design
- Dimensions 50x50 mm mm (Control Unit)

PROGRAMMING IS NOW CHILD'S PLAY

- Very large LCD with backlight
- Easy programming due to one line of scrolling text (menu items, text advice)
- Easy to change between 2 temperatures (Comfort, Set-back)
- Armchair programming (with removed display unit)
- Operating language can be selected
- Access protection for children
- Separate reset of user and installer settings

APPLICATIONS

- Room heating (remote sensor optional)
- Electric underfloor heating
- Room heating via underfloor (minimum and maximum limiter e.g. Ceramic Stove Controller or electric room heating)
- Can be applied for "Only Heating" and "Only Cooling"
- Heat pumps with heating / cooling function in conjunction with connection strip heating / cooling (EV 230 H / K ...)

SPECIAL FEATURES

Ceramic Stove Controller Ensure the minimum floor temperature with the FITnp 3L:

Because of additional heat gain from sunshine or a ceramic stove, the room temperature increases quite quickly and conventional heating controls then switch off. In particular hydronic underfloor heating systems have a long heating-up time. This could lead to relatively low floor temperatures and possibly to cold feet. The minimum limiter function of the FITnp controller prevents excessive cooling of the floor. A minimum temperature of the floor can be ensured. This minimum temperature level can be adjusted individually.



FITnp The new flush-mounted EBERLE thermostat



Eco operation.
External input ECO is active,
it will be adjusted to the configurable temperature e.g. night set-back



Large Display with back light. Configurable hysteresis e.g. for pellet burner



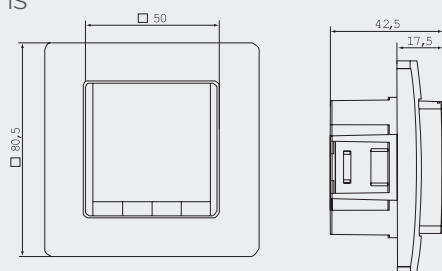
Variants

Features	FITnp 3Rw	FITnp 3R	FITnp 3F	FITnp 3L	FITnp 3U
Room temperature controllers (remote sensor optional) Temperature 5...30 °C	●	●			●
Floor heating controllers Temperature 10...40 °C			●		●
Room temperature controllers with limiter function Temperature Room 5...30 °C Floor 10...40 °C				●	●
Valve protection, OFF function	●	●		●	●
Relay output with	changeover contact	NO contact	NO contact	NO contact	NO contact
Suitable for: Room heating (remote sensor optional)	●	●			●
Electric underfloor heating/-conditioning			●		●
Electric room heating via floor with limiter (minimum and maximum limiter) e.g. Ceramic Stove Controller or electric room heating				●	●
Underfloor- and convector heating		●			●
Room Cooling		●			●
Article numbers					
Display colour blue	527 8253 55 100	527 8153 55 100	527 8163 55 100	527 8173 55 100	527 8183 55 100
Display colour white	527 8254 55 100	527 8154 55 100	527 8164 55 100	527 8174 55 100	527 8184 55 100

Technical Data

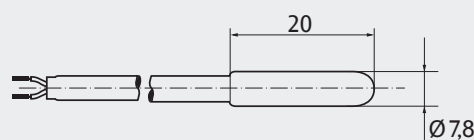
Order Type	FITnp 3Rw	FITnp 3R	FITnp 3F	FITnp 3L
Supply Voltage	230V AC 50 (195 ... 253 V)			
Temperature setting range	5 °C ... 30 °C; in 0,5 °C steps		10 °C ... 40 °C; in 0,5 °C steps	5 °C ... 30 °C; in 0,5 °C steps
Temperature display	0,1 °C steps			
Display language	English, German, French, Dutch (further languages on request)			
Output (voltage bound)	Changeover contact		Relay NO contact	
Switching current	Heating 5(2) A Cooling 1(1) A	10(4) A	16(4) A	10(4) A
Output signal	– PWM, Cycle time adjustable – ON/OFF, hysteresis and minimum ON/OFF adjustable			
ECO-Input ☺	a change over via external timer (ECO temperature is freely adjustable)			
	5 °C ... 30 °C		10 °C ... 40 °C	5 °C ... 30 °C
Remote sensor (can be extended up to 50 m)	optional		yes	yes
Ambient temperature	Operating 0 °C ... 40 °C (without condensation)			
Degree of protection	IP 30			
Protection class of housing	II			
Weight	~ 100g		~ 280g	~ 280g

Dimensions



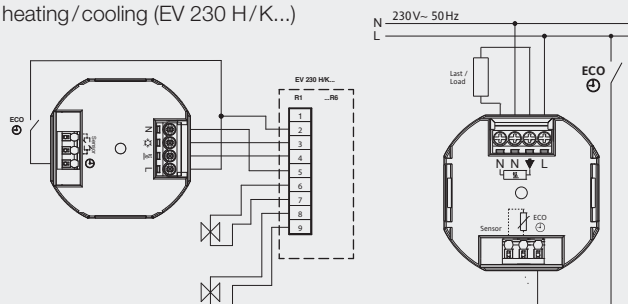
Remote Sensor F 193 720

Length 4 m, included in -F and -L variants)



Wiring Diagram

Application with connection strip heating/cooling (EV 230 H/K...)



Remote Sensor F 190 021

Accessories for -R variant
(75 x 75 x 25,5 mm)

