

FIT

The ideal energy saver



GB

HEATING



- Easy-to-read, large backlit display
- One line of scrolling text for simple operation
- Energy consumption display
- Optimum Start function
- Ideal for combining warm water underfloor heating and ceramic stove heating
- Load interruption for electric underfloor heating systems according to EN 50559

FIT Flexible and energy-saving control



At Home function for special days such as holidays, illness or working from home



User settings according to individual needs



Holiday mode: from and until set date

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® programmable thermostat for individual room temperature control.

Optimised energy saving

- Pre-set and easily adjustable lifestyle programs
- Optimum start function
- Holiday mode: from and until set date
- Separate program for holiday at home or exceptional days e.g. illness
- Shorttime Timer (Party) function: select a temperature for a number of hours
- 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
- Automatic summer / winter time change
- Display of temperature adjustable
- OFF Function
- Frost protection



Programming is now child's play

- Very large LCD with backlight
- One line of scrolling text for simple operation
- Real-time clock
- Armchair programming (with removed display unit)
- Max. 9 events per day, adjustment could be interrupted at each event
- Info function shows all about the actual status
- Structured details function (only the functions of daily interest are displayed)
- Operating language can be selected
- Access protection for children
- Separate reset of user and installer settings
- 3 factory-set-programs

Now as well available as an economical version FITnp without programming function. For more information, visit www.eberle.de



Special features

Ceramic Stove Controller Ensure the minimum floor temperature with the FIT 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 FIT controller prevents excessive cooling of the floor. A minimum temperature of the floor can be ensured. This minimum temperature level can be adjusted individually.



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FIT The new flush-mounted EBERLE thermostat



Large LCD with backlight
Week days can be printed on request.



Operating language can be selected



Easy to adapt to different heating applications

- Control mode PID (PID with PWM) or ON/OFF
- PWM-cycle time, minimum output ON/OFF time and hysteresis adjustable
- Always provides the minimum floor temperature (Ceramic Stove Controller FIT 3L)
- Minimum and maximum floor temperature, while controlling the room temperature (limiter variant FIT 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
- Data saved on power loss for 10 years
- Outstanding design
- Dimensions 50x50 mm (Control Unit)

Applications

- Room heating (remote sensor optional)
- Electric underfloor heating
- Electric room heating via floor (minimal- and maximal limiter) e.g. Ceramic Stove Controller or electric room heating
- Applicable for „only heating“ or „only Cooling“
- Heat pumps with heating / cooling function in conjunction with connection strip heating / cooling (EV 230 H / K ...)

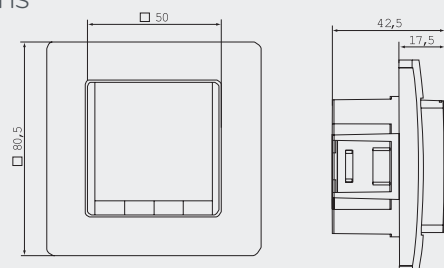
Variants

Features	FIT 3Rw	FIT 3R	FIT 3F	FIT 3L	FIT 3U
Room temperature controllers (remote sensor optional) Temperature 5...30 °C	●	●			●
Floor heating controllers Temperature 10...40 °C			●		●
Room temperature controllers with limiter function (as well ideal in combination with Ceramic Stove Controller) 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				●	●
Underfloor- and convector heating		●			●
Room Cooling		●			●
Article numbers					
Display colour blue	527 820355 100	527 810355 100	527 812355 100	527 813355 100	527 814355 100
Display colour white	527 820455 100	527 8104 55 100	527 812455 100	527 813455 100	527 814455 100

Technical Data

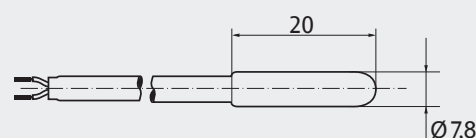
Type	FIT 3Rw	FIT 3R	FIT 3F	FIT 3L
Supply voltage	230V AC 50 (195...253V)			
Temperature range	5 °C ... 30 °C; in 0,5 °C steps		10 °C ... 40 °C; in 0,5 °C steps	5 °C ... 30 °C; in 0,5 °C steps
Temperature display	0,1 °C steps			
Display language	German, English, French, Dutch (further languages on request)			
Output (voltage bound)	Changeover contact	Relay NO contact		
Switching current max.	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			
Minimum events	10 min.			
Clock accuracy	< 4 min. / year			
Data saved on power loss	~ 10 years			
Remote sensor (can be extended up to 50 m)	optional		yes	yes
Surrounding temperature	0 °C bis 40 °C (without dewing)			
Degree of protection	IP 30			
Protection class of housing	II			
Weight	~ 100g		~ 280g	~ 280g

Dimensions



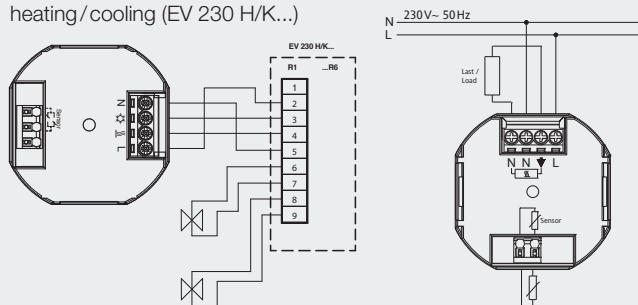
Remote Sensor F 193 720

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)



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The website www.eberlecontrols.com provides constantly updated, customer-oriented Information about solutions and products. The Eberle newsletter is addressed to our installers and distributors providing a direct line keeping, them informed about the latest developments and product applications.

