EBERLE

Electronic Clock Thermostat

Features:

- Very simple operation

- Comfort and setback temperature freely selectable

- 5 operating modes selectable by means of a rotary switch for

  ⇨ constant comfort temperature (10...50°C)

  ⇨ constant setback temperature (10...50°C)

  ⇨ clock mode (automatic mode)

  ⇨ frost protection (10°C fixed)

  ⇨ standby state

- Operating voltage 230V, 24V variant possible

- Optionally available with 24-hour or 7-day timer

- Remote sensor (for floor temperature measuring)

- Hinged cover

- Control characteristic incorporates pulse width modulation (PWM)

- Output, 1 x relay, volt-free changeover contact (for heating or cooling)

- In the new EBERLE design 2000

invensys

Applications:

Clock thermostat for floor temperature control in conjunction with

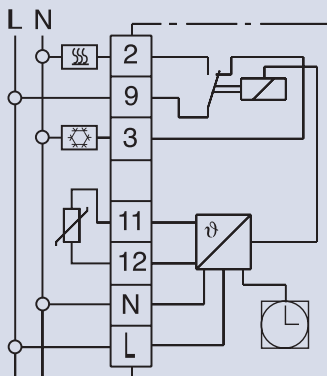- electric floor heating
- hot-water floor heating .
- etc.

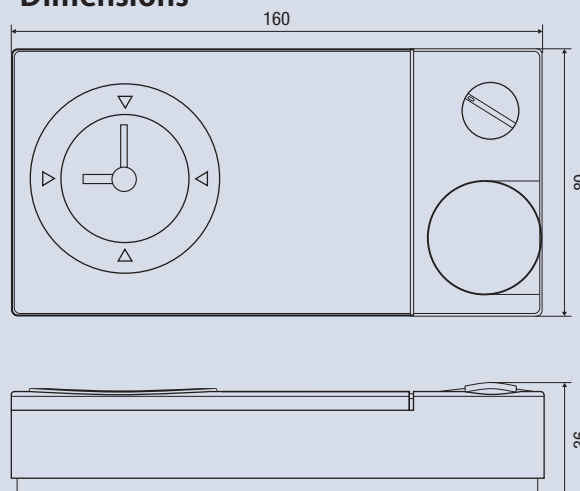supersedes FRe-UTQ/UWQ 52527/28, FRe UTQ/UWQ 52577/78

Technical data

Order designation		easy 3 ft	with 24-hour timer
		easy 3 fw	with 7-day timer
EDP no.	easy 3 ft	516 2705...	
	easy 3 fw	516 2706...	
Supply voltage		230 V AC (195...253 V) 50/60 Hz	
Temperature setting range:			
	comfort	1...5 °C (10...50 °C)	
	setback value	1...5 °C (10...50 °C setting below cover)	
	frost protection	10 °C fixed	
Mode selector switch		comfort / automatic mode / setback / frost protection / Off (Off = standby state)	
Indicator lamp	red	controller calls for heat	
	green	setback mode	
Control action		proportional controller (quasi-continuous due to PWM)	
Cycle time		selectable, 15 or 25 min (sum of PWM on and off times)	
Proportional band		approx. 1,5 K	
Temperature sensor for floor temperature sensing		remote sensor F 193 720, or F 193 006 (with housing) extendable to 60 m	
Output		1 x relay, volt-free changeover contact	
Switching current		10 mA...10 A cos φ = 1	
		max. 4 A cos φ = 0,6	
		max. 10 thermal actuators	
Switching voltage		24...250 V AC	
Range narrowing		in adjustment knob	
Timer:	accuracy	< 10 min/year	
	switching time setting	every 15 min with 24-hour timer / every hour with 7-day timer	
	power reserve	approx. 100 h	
Dimensions		160 x 80 x 36 mm	

Mounting directly on flush-type box or with adapter frame ARA easy.

Wiring diagram

Dimensions