

EAN code - DEVICE:
DTR: 8595188125017
DTF: 8595188135924
DTC: 8595188135931

EAN code - SET:
DTR, white frame Elegant: 8595188136235
DTF, white frame Elegant, termosensor TC-3m: 8595188135863
DTC, white frame Elegant, termosensor TC-3m: 8595188135856

To devices is neccessary to order additionally - frame in design ELEGANT and external sensor (except DTR)

Technical parameters	DTR	DTF	DTC
Supply			
Power supply and tolerance:	AC 230 V ± 15 %,		
Consumption, frequency:	1.5 VA, 50 - 60 Hz		
Backup:	rechargable accumulator LIR2032 (40 mAh) charging time from 0 to 100 %: 3 hours backup time when capacity is 100 %: 72 hours		
Measuring			
Temperature range:	5 to 50 °C (41 to 122 °F)		
Accuracy:	± 0.5 °C (± 32.9 °F)		
Hysteresis:	adjustable 0.5 °C or 1 °C (32.9 or 33.8 °F)		
Temperature sensor:	room (internal)	floor (external)	room (internal) and floor (external)
Adjusting			
Min. temperature cycle:	0.5 °C (32.9 °F)		
Min. time cycle:	10 min.		
Number of programs:	4; pre- set program 1		
Number of events:	2 - 6 in a program		
Offset / calibration:	adjustable ± 0.5 °C (32.9 °F)		
Display			
LCD display:	26 x 24 mm, with backlight (ON or OFF pernamently)		
Displaynig date:	current time, set / current temperature, day in a week, output status		
Output indication:	red LED and symbol ⧙ on LCD		
Output			
Type:	potential- free contact NO - SPST, material of contact - AgNi (Silver Allow)		
Max. loadability:	16 A / 250 V, 4000 VA by AC1		
Contact separation:	galvanic, electrical strength 4 kV		
Mechanical life:	$3x10^7$		
Elektrical life:	$0.7x10^5$		
Other information			
Operating position:	-10 °C to 55 °C (14 °F to 131°F)		
Storing position:	-20 °C to 70 °C (-4 °F to 158°F)		
Electical strenght:	4 kV		
Mounting:	wiring box with min. depth 30 mm / 1.18 ˝, Ø min. 65 mm / 2.6 ˝		
Protection degree:	IP 30 in standard conditions*		
Max. cable size (mm^2):	solid wire 1x 2.5 / 1.5 with sleeve (AWG 12)		
Dimensions:	84 x 89 x 54.3 mm (3.3 ˝ x 3.5 ˝ x 2.14 ˝)		
Weight:	120 g (0.26 oz.)		
Standards:	EN 60730-2-9, EN 61812-1, EN 61010-1		

* - see page 38

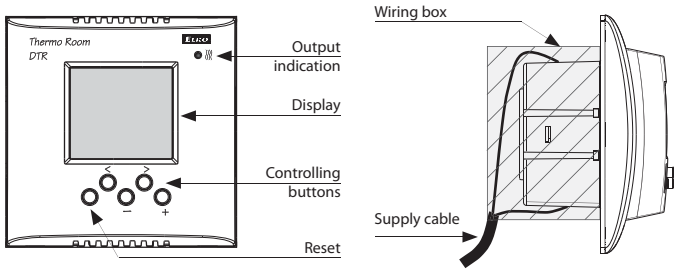
Design



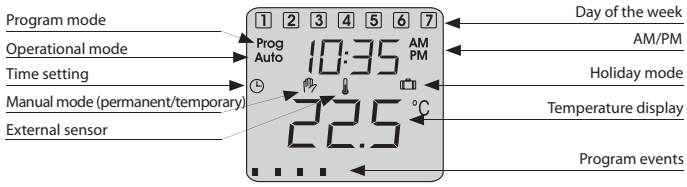
Complete offer of switching devices line ELEGANT can be found in an individual catalogue ELEGANT Home switches, which can be sent to you upon request.

- **DTR** - Digital Thermo Room:
  - Room thermostat with temperature range 5 to 50 °C (41°F to 122 °F) with a built-in sensor.
- **DTF** - Digital Thermo Floor:
  - Floor thermostat with temperature range 5 to 50 °C (41 °F to 122 °F) with external sensor.
- **DTC** - Digital Thermo Combined:
  - Combined thermostat with room and floor sensors and temperature range 5 to 50 °C (41 °F to 122 °F).
  - Choice of temperature display from internal or external sensors.
  - By program it is possible to choose,which sensor is active and if it should function in serial or in parallel.
- **DTF, DTC**
  - External sensor (TC-3, 3m)is a part of delivery (only ATF/ATC), it is possible to extend its length up to 100 m (328').
  - Monitoring of disconnection or short-circuit of external sensor, fault is displayed.

Description



Description of visual elements on the display

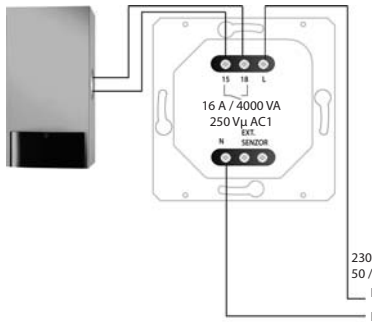


Other functions of DTR, DTF, DTC

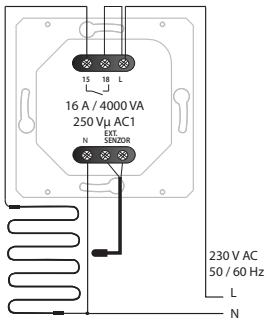
- rechargeable backup battery in case of power failure (e.g. the high tariff of electric heating)
- push-button lock to prevent unwanted manipulation with thermostat
- the possibility of display settings - current or set temperature
- „freezing protection" in case temperature drops below 5 °C (41 °F) thermostat always switches heating on
- choice of function heating or cooling
- easy and intuitive control by four push-buttons
- automatic shift summer / winter time
- holiday mode - it is possible to set temperature and time from 1 hour to 99 days without any intervention into program settings or turning heating off (suitable in case of planned absence holiday...)
- wall switch buttons in ELEGANT design, wide variety of colors and combination of multiframes

Connection

DTR



DTF, DTC



Accessories

See page 114.