

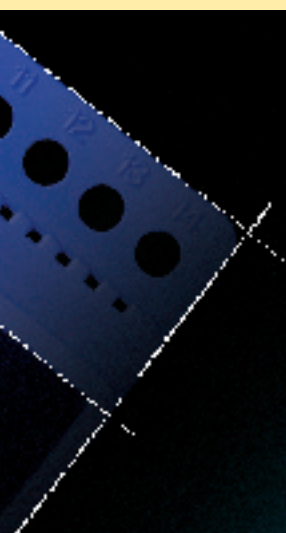
OJ Thermostat range . Type ETV and ETN

Thermostat for DIN-rail with setback mode

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Date
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Thermostat with setback mode type ETV and ETN

- Recommended for control of under floor heating and electrical heating.
- Electronic on/off control up to 16 A/ 3600 W.
- Built-in setback mode for automatic comfort and setback temperature via remote timer.
- Delivered incl. floor sensor or remote room sensor.
- For DIN-rail mounting.

PRODUCT PROGRAMME

Type	Product
Type ETV with setback mode	
ETV-1990	Thermostat
ETV-1991	- incl. floor sensor 3 m
ETV-1999	- incl. remote room sensor
Type ETV-P with potential free contact	
ETV-1991-P	Thermostat incl. floor sensor 3 m
Type ETN with setback mode and interrupter	
ETN-2P-1441	Thermostat
ETN/F-2P-1441	- incl. floor sensor 3 m
ETN/F-2P-1449	- incl. remote room sensor
Accessories	
ETGK	Cover box for ETV for wall mounting
ETNK	Cover box for ETN for wall mounting
ETF-144/99A	Floor sensor 3 m
ETF-944/99-H	Remote room sensor
MM-7595	Electronic day/week timer for DIN-rail

THERMOSTAT FUNCTIONS

Thermostat control:

Type ETV and ETN are electronic on/off thermostats with control of temperature by means of NTC sensor. Red LED indicates when heating is on.

Temperature setback:

Type ETN and ETV are with setback mode, which is activated with a day/week timer, e.g. MM-7595. The timer is programmed with the required comfort and setback periods, while the setback mode of type ETV is fixed 5°C. The setback mode of type ETN can be adjusted +3/+10°C.

Built-in 2-pole interrupter:

Type ETN is with built-in 2-pole interrupter, which can disconnect the power to the heating system.



TECHNICAL DATA

Type ETV:

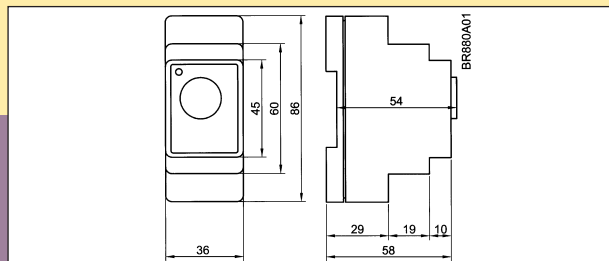
Supply voltage	230V \pm 10%, 50/60Hz
Output relay SPST	16A, 3600W
- type ETV-1991P with potential free contact	
Temperature range	0/+40°C
Setback temperature (exclusive ETV-P)	fixed 5°C
Power consumption	3VA
Ambient temperature	0/+50°C
Housing	IP20
On/off switching differential	0.4°C
Sensor type	NTC
- heating is switched off in case of sensor failure	
Weight	170 g
Dimensions (HxWxD)	86x36x58mm

Type ETN:

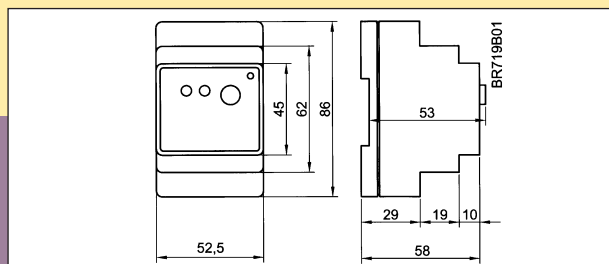
Supply voltage	230V \pm 10%, 50/60Hz
Output relay SPST	16A, 3600W
Built-in interrupter	2-pole
Temperature range	0/+35°C
Setback temperature (via remote timer)	+3/+10°C
Power consumption	3VA
Ambient temperature	-20/+50°C
Housing	IP20
On/off differential	+0.3/+6°C
Sensor type	NTC
- heating is switched off in case of sensor failure	
Weight	180 g
Dimensions (HxWxD)	86x52.5x58mm

Temperature setback:

Type ETV and type ETN with setback mode can be connected to a day/ week timer, which is programmed with the required comfort and setback periods.



Dimensions ETV (mm)



Dimensions ETN (mm)

MOUNTING

Mounting of the thermostats:

DIN-rail mounting in a switchboard. A cover box for separate wall mounting is available.

Type of temperature sensor:

Delivered incl. floor sensor or incl. remote room sensor.

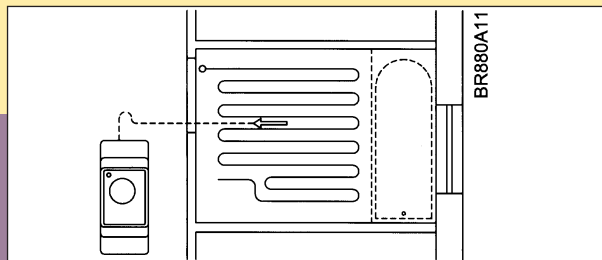
Mounting of floor sensor:

Floor sensor is used for comfort heating of floor. The sensor is mounted in conduit of consideration of replacement. The conduit is mounted between heating cables and ended towards the floor surface. If required, the floor sensor can be extended up to 100 m with a standard installation cable.

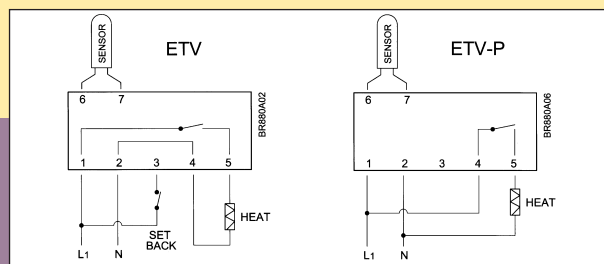
Mounting of room sensor:

Room sensor is used for room heating. The room sensor is mounted approx. 1.6 m above the floor.

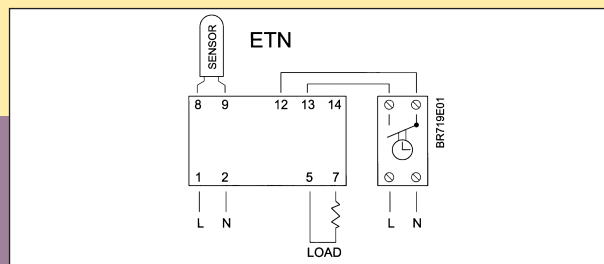
Draught, direct sunlight or any other direct heating outlet must be avoided.



Mounting of floor sensor



Connection ETV



Connection ETN

OJ Thermostat range

OJ Thermostat programme includes:

- Thermostats for flush mounting
- Thermostats for wall mounting
- Thermostats for DIN mounting
- Thermostats for snow melting and frost protection
- Triac thermostat and controllers from 1-44 kW

Please, require catalogue

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