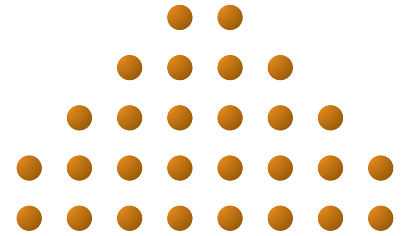OJ Microline®
MTC/MTD

Scale in °F

Scale in °C

3 YEAR warranty

THERMOSTATS FOR UNDERFLOOR HEATING

Manual Thermostat

Recommended for control of underfloor heating and electrical heating.

- Flush mounting in a standard wall socket.
- With built-in 2-pole interrupter for convenient switching off.
- On/off control up to 16A.
- With graduated scale, making it easy to set the required floor or room temperature. If required the scale can be adjusted and further-more limited for max. or min. temperature.
- Electronic thermostat for accurate temperature control ensuring a high comfort of the floor surface or the room temperature.
- Type MTD: With limitation sensor for optimal comfort avoiding cold tiles during spring and autumn, or as protection against damaging wooden floors.
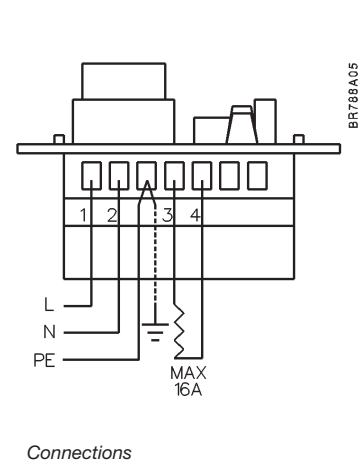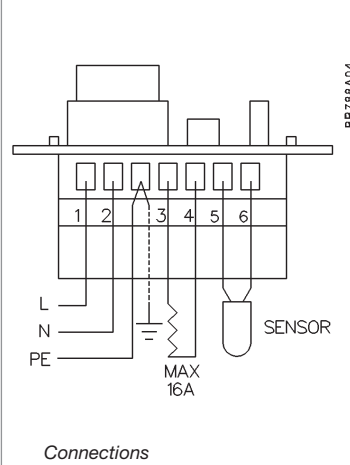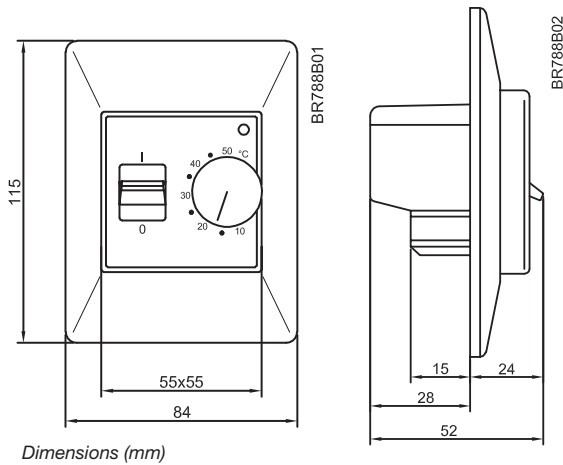
PRODUCT PROGRAM

	THERMOSTATS WITH SCALE IN °F	THERMOSTATS WITH SCALE IN °C
WITH FLOOR SENSOR:		
Supply 120V	MTC-2991-UFH	MTC-2991-UCH
Supply 240V	MTC-1991-UFH	MTC-1991-UCH
WITH AIR SENSOR:		
Supply 120V	MTC-2999-UFH	MTC-2999-UCH
Supply 240V	MTC-1999-UFH	MTC-1999-UCH
WITH AIR SENSOR & WITH FLOOR SENSOR:		
Supply 120V	MTD-2999-UFH	MTD-2999-UCH
Supply 240V	MTD-1999-UFH	MTD-1999-UCH

ACCESSORIES	
ETF-144/99A	Floor sensor, 3 m/10 ft
ETF-944/99-H	Remote room sensor for surface wall mounting
MTC-AH	Protective cover

Temperature Limitation

The MTD is delivered with a floor sensor which can be used for:

Max. temperature limitation: Protection of i.e. wooden floors
Min. temperature limitation: For better heating comfort

OJ ELECTRONICS
taking comfort further

Dimensions (mm)

Connections

Connections

THERMOSTAT CONTROL

The thermostat is an electronic on/off thermostat with control of temperature by means of an NTC sensor. The heat output is switched on and off with a differential of only 0.4°C/0.7°F. Red LED indicates when heating is on.

Adjustment of the Thermostat

A wide temperature range with graduated scale in either °F or °C for easy setting of the required temperature. With the locking rings behind the thermostat button the min./max. temperature setting can be selected.

APPROVALS

The thermostats with 120/240V AC, 60 Hz are UL and cUL Listed and meet UL8730-1 and UL8730-2-9 standards for temperature indicating and regulating equipment.

CE: All types

Classification

The product is class II device according to UL 8730-1.

TECHNICAL DATA

Supply voltage	230V AC +10%-15%,
	120V AC ±15%
Output relay	16A SPST
Built-in interrupter	2-pole
Temperature range	MTC: +10/+50°C / +50/+122°F
	MTD: +5/+40°C / +40/+104°F
On/off differential	0.4°C/0.7°F
Housing	IP20
Ambient temperature	0/+50°C / +32/+122°F
Dimensions	115 x 84 x 52 mm /
	4.5 x 3.3 x 2.3 inch.

MOUNTING

Mounting of Floor Sensor

Floor sensor is used for comfort heating of floor. The sensor can be mounted in conduit of consideration to replacement. The conduit is mounted between the heating cables and ended towards the floor surface.

Mounting of Limitation Sensor

Max. temperature limitation is used for protection of installation or construction against excessive temperature. The sensor is mounted at a place where excessive temperature may arise.
Min. temperature is used for better heating comfort. The sensor is mounted as floor sensor.

If required, the floor sensor and limitation sensor can be extended up to 100 m / 300 ft. with a standard installation cable.

Mounting of Air Sensor

Air sensor is used for room heating. Thermostat with internal air sensor is mounted approx. 1.6 m / 5 ft. above the floor.

Mounting of Remote Room Sensor

Thermostat incl. floor sensor is used, but remote room sensor is mounted instead of floor sensor.