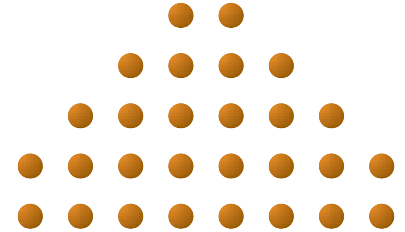


OJ Microline®  
**MTU**



THERMOSTATS FOR COMFORT HEATING

# Thermostat for Wall Mounting

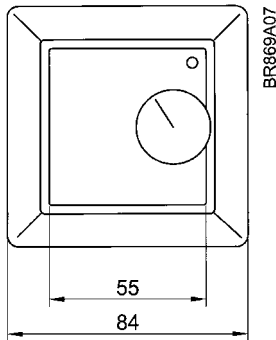
Recommended for control of underfloor heating and electrical heating.

- On/off control up to 2,300W, 10A.
- With graduated scale, making it easy to set the required floor or room temperature.
- Built-in setback mode for automatic comfort and setback temperature via remote timer.
- Electronic thermostat for accurate temperature regulation ensuring a high comfort of the floor surface or the room temperature.
- As accessory a protective cover type MTC-AH is available ensuring against non-intentioned changes.
- Surface wall mounting.

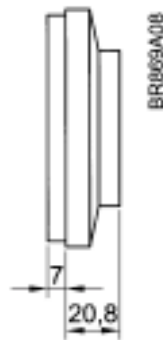
## PRODUCT PROGRAM

| TYPE        | PRODUCT      |  |
|-------------|--------------|--|
| 230V        | MTU-1991HN   | Thermostat with setback mode 5°C incl. floor sensor 3 m<br>Remote room sensor can be mounted |
|             | MTU-1999HN   | Thermostat with setback mode 5°C with internal room sensor                                   |
| 110V        | MTU-2991HN   | Thermostat with setback mode 5°C incl. floor sensor 3 m<br>Remote room sensor can be mounted |
|             | MTU-2999HN   | Thermostat with setback mode 5°C with internal room sensor                                   |
| ACCESSORIES |              |  |
|             | ETF-144/99A  | Floor sensor, 3 m  |
|             | ETF-944/99-H | Remote room sensor   |
|             | MTC-AH       | Protective cover   |

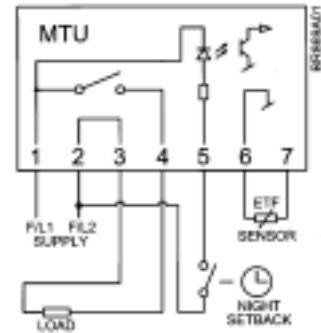
- **MTU-1999HN and MTU-2999HN:** A floor sensor or a remote air sensor can be applied instead of the built-in sensor by removing a jumper placed below the front cover.



Dimensions (mm)



Dimensions (mm)



Connections MTU

**Thermostat Control:**

Type MTU 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 difference of only 0.4°C. Red LED indicates when heating is on.

**Temperature Setback:**

Type MTU with setback mode 5°C which is activated with a day/week timer, e.g. MM-7595. The timer is programmed with the required comfort and setback periods.

**Adjustment of the Thermostat:**

Temperature range +5/+40°C for easy setting of required temperature.

**TECHNICAL DATA**

|                     |                         |                                    |
|---------------------|-------------------------|------------------------------------|
| SUPPLY VOLTAGE      |                         | ON SPECIAL ORDER                   |
| 230V ±10%           | 110V ±10%               | 24V AC ±10%                        |
| 50/60 Hz            | 50/60 Hz                |                                    |
| POWER CONSUMPTION   | OUTPUT RELAY            |                                    |
| 6VA                 | MTU-1991HN:             | 230V, 10A, 2,300W                  |
|                     | MTU-1999HN:             | 230V, 10A, 1,840W                  |
|                     | MTU-2991HN:             | 110V, 10A, 1,100 W                 |
|                     | MTU-2999HN:             | 110V, 8A, 880W                     |
| ON/OFF DIFFERENTIAL | AMBIENT OPERATING TEMP. | TEMPERATURE RANGE                  |
| 0.4°C               | 0/+50°C                 | +5/+40°C                           |
| TEMPERATURE SETBACK | ERROR CIRCUIT FUSE AT   | HOUSING                            |
| Fixed 5°C           | -20°C                   | IP20                               |
| DIMENSIONS (H/W/D)  | APPROVALS               |                                    |
| 84/84/28 mm         | CE:                     | All types                          |
|                     | UL/cUL LISTED:          | Type MTU-1999HN<br>Type MTU-2999HN |



**OJ Thermostat Program Includes**

- Thermostats for flush mounting
- Thermostats for wall mounting
- Thermostats for DIN-rail mounting
- Thermostats for snow melting and frost protection
- Triac thermostat and controllers from 1-44 kW
- Thermostats adjusted to the individual market's needs for design, approvals and standards for electrical material