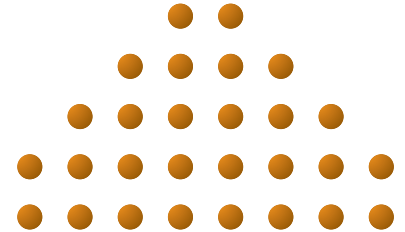




OJ Microline®
UCCG / UCDG / UTCG



3
YEAR warranty

THERMOSTATS FOR UNDERFLOOR HEATING

Thermostats with built-in GFCI

Recommended for control of heating systems for heating comfort with minimum power consumption.

Electronic on/off thermostat with integrated GFCI.

It's safe

- C-UL LISTED.
- GFCI Class A, 5mA trip level.
- GFCI disconnects line and neutral (L2).

It's flexible and user-friendly

- Dual voltage 120V or 240V.
- Output relay 15A.
- Screw terminals.
- Easy switching between °F and °C.
- Inclined display for ease of viewing.
- Icons for easy understanding.

It's cost efficient and comfortable

- Versions with built-in clock function for automatic comfort and setback temperature.
- Floor, air, or dual sensor.

All goes with a 3 year-warranty.

Thermostat Control:

The thermostat is an electronic on/off thermostat for control of temperature by means of a sensor either placed externally or built into the thermostat. The heat output is switched on and off with a difference of only 0,7°F (0,4°C). Types UCCG and UCDG have built-in clock function for automatic comfort and setback temperature.

Type UTCG is without clock function. It has two adjustable setpoints, one for day operation and one for night setback temperature. Switching between the two setpoints is easily done with one push at a button.

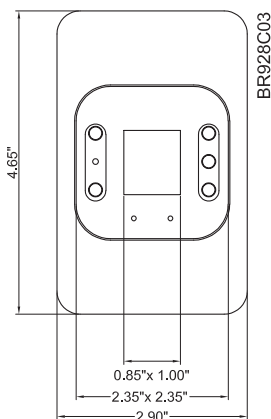
Ground Fault Circuit Interrupter (GFCI):

The thermostat has an integrated Class A Ground Fault Circuit Interrupter (GFCI). In case a ground fault is detected the power to the installation will be disconnected. In 240V applications where the floor sensor is used, a separate GFCI is required for ground fault protection.

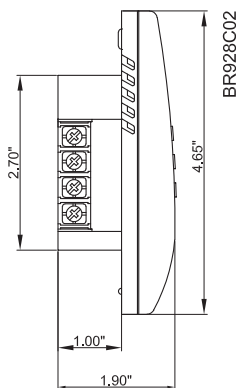
The thermostat is a dual model suitable for 120/240V, 50/60 Hz supply.

PRODUCT PROGRAM

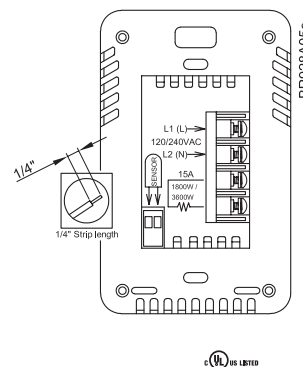
TYPE	PRODUCT
FULLY PROGRAMMABLE THERMOSTATS WITH BUILT-IN GFCI	
UCCG-9991	Incl. floor sensor 3m (10ft) (GFCI only 120V)
UCCG-9999	With built-in air sensor
UCDG-9999	With 2 sensors; built-in air sensor incl. floor sensor 3m (10ft) (GFCI only 120V)
MANUAL THERMOSTATS WITH BUILT-IN GFCI	
UTCG-9991	Incl. floor sensor 3m (10ft) (GFCI only 120V)
UTCG-9999	With built-in air sensor



Dimensions (inch.)



Dimensions (inch.)



Connections

Built-in Clock Function

The clock thermostats type UCCG and UCDG are delivered with factory-set 4-event program for automatic comfort and setback temperature.

DAY 1-5				
EVENT	TIME	TEMPERATURE	W/FLOOR SENSOR	W/ROOM SENSOR
1	6:00 am-8:00 am	Comfort	77°F / 25°C	68°F / 20°C
2	8:00 am-4:00 pm	Setback	68°F / 20°C	59°F / 15°C
3	4:00 pm-10:00 pm	Comfort	77°F / 25°C	70°F / 21°C
4	10:00 pm-6:00 am	Setback	68°F / 20°C	59°F / 15°C
DAY 6-7				
EVENT	TIME	TEMPERATURE	W/FLOOR SENSOR	W/ROOM SENSOR
1	8:00 am-11:00 pm	Comfort	77°F / 25°C	70°F / 21°C
4	11:00 pm-8:00 am	Setback	68°F / 20°C	59°F / 15°C

Individual Programming of Events:

The factory-set periods and/or temperature can be changed according to requirement. Furthermore, the following programs can be selected:

- 4 events 6 days and 2 events day 7
- 4 events per day

The clock thermostat is with adaptive function meaning the thermostat calculates when the heating has to be switched on to make sure that the comfort temperature is obtained at the required time.

Comfort Mode:

The temperature can be temporarily changed for a single event. The comfort mode temperature is reset at the next event, and the thermostat will return to the scheduled event program.

Manual Mode:

The scheduled event program can be cancelled e.g. during holidays, instead the temperature can be adjusted to e.g. 41°F (5°C) for frost protection. The new setpoint is valid until the manual mode is cancelled.

Monitoring of Energy Consumption :

Total switch-on time in percentage can be read-out within the latest 2 days, 30 days or 365 days. In this way the heat consumption can be controlled.

Temperature Limitation:

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

- Max. temperature limitation:** Protection of e.g. wooden floors.
- Min. temperature limitation:** For better heating comfort.

Backup Function:

In the event of a power failure, an internal circuit will maintain the programming and time. Only if the power failure exceeds 50 hours, the time will have to be reset.

TECHNICAL DATA

Supply	120/240V AC +10/-15%, 50/60 Hz
Load	15A maximum (resistive load) Max. 1800W, 120V AC Max. 3600W, 240V AC
Temperature range	+41/+104°F (+5/+40°C)
Dimensions (H/W/D)	4.65/2.90/1.90 inch 118/74/48 mm
Ambient temperature	Thermostat: +32/+104°F, 0/40°C GFCI: -31/+149°F, -35/+65°C
GFCI	Class A (5 mA trip level)
Size of display (H/W)	1.00/0.85 inch 25/22 mm
FACTORY-SET scale	12-hours, °F

C-UL LISTED According to the following standards:

GFCI:	UL 943, CSA Std. C22.2, No. 144-M91
Thermostat:	UL 8730-2-9, UL 60730-1A, CSA Std. C22.2 No.24
UL file number:	E157297