



Electronic Thermostats

For Electric Radiant Heating

The Microline series electronic on/off thermostats are designed to control electric radiant heating systems for maximum comfort and minimum power consumption. The system temperature is controlled by an external or built-in sensor. The heat output is switched on or off with a difference of 0.07°F (0.4°C).

Models UCCG & UCDG

Models UCCG and UCDG feature a built-in clock function for automatic comfort and setback temperature options. To simplify start ups the thermostats are supplied with a factory set 4-event program which can be changed if desired:

DAY 1-5

event	time	temperature	w/floor sensor	w/room sensor
1	6am-8am	comfort	25°C / 77°F	20°C / 68°F
2	8am-4pm	setback	20°C / 68°F	15°C / 59°F
3	4pm-10:30pm	comfort	27°C / 81°F	22°C / 72°F
4	10:30pm-6am	setback	20°C / 68°F	15°C / 59°F

DAY 6-7

event	time	temperature	w/floor sensor	w/room sensor
1	8am-11pm	comfort	27°C / 81°F	22°C / 72°F
4	11pm-8am	setback	20°C / 68°F	15°C / 59°F

In addition, models UCCG and UCDG offer an adaptive logic function. The thermostat calculates when the heating system has to be switched on to ensure that the desired 'comfort' temperature level is obtained as scheduled.

Model UTCG

Model UTCG offers two setpoint options (day operation and night setback) that can be switched and manually adjusted with a push of a button.

Ground Fault Circuit Interrupter

The thermostats are equipped with a **GFCI, Class A, 5mA trip level**. In case of a ground fault the GFCI feature disconnects both lines to the heating element. This dual mode thermostat is suitable for 120/240V, 50/60Hz power supply.

Individual Programming of Events:

The factory pre-set programming can be changed and the following programs can be selected:

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



Ordering

Clock Thermostats With Built-in GFCI

Code Number	Description
UCCG-9991	Incl. floor sensor 3m (10ft)
UCCG-9999	with built-in air sensor
UCDG-9999	With 2 sensors, built-in air sensor Incl. floor sensor 3M (10ft)

Thermostats With Built-in GFCI

Code Number	Description
UTCG-9991	Incl. floor sensor 3m (10ft)
UTCG-9999	with built-in air sensor

Monitoring Of Energy Consumption:

The percentage of total switch-on time can be read-out within 2, 30, or 365 day periods. This allows an easy monitoring of the heat consumption.

Backup Function:

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

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 program.

Manual Mode:

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

Technical Data

Supply	Load
120/240V AC+10/-15 % 50/60 Hz	16A max (resistive load) Max. 1920W, 120V AC Max. 3840W, 240V AC

Temperature Range	Ambient Temperature Range:
+5/+40°C +41/+104°F	Thermostat 0/40°C, +32/+104°F GFCI -35/+65°C, -31/+149°F

GFCI	Dimensions (HxWxD)	Size of Display
Class A (5MA trip level)	118X74X48 mm 4.65X2.90X1.90inch	25X22mm 1X0.85inch

cUL US LISTED According to the following standards: cUL US LISTED

GFCI	Thermostat	UL File Number
UL 943:1993	UL 8730-2-9:1998	E157297
UL 60730-1A:2002		

- **Safe:** UL Listed, GFCI Class A, 5mA trip level, GFCI disconnects L and N (L2), Grounded Neutral Detection, Glass coated, waterproof floor sensor provides protection against overheating to preserve sensitive floor materials
- **User Friendly:** Easy to operate, Factory pre-programmed to meet standard household requirements, dual voltage (120V or 240V), Easy switching between °F and °C, Inclined display for ease of viewing
- **Easy to Install:** Simply fasten wires into screw terminals, fit it into the wall box and set the date and time
- **Efficient:** Models with built-in clock function offer comfort and setback temperature mode
- **Two Year Warranty**