

PRODUCT CODE WUDG

PRODUCT DESCRIPTION

An "all-in-one" programmable thermostats for electric underfloor heating control where optimal comfort temperature and minimum energy consumption is required.

THERMOSTAT CONTROL

The thermostat is an electronic on/off thermostat for controlling temperature by means of a sensor placed either 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). The thermostat can be configured for control of floor temperature, room temperature or room temperature with limit switch, and regulator without sensor. It is compatible with existing floor sensors by means of a temperature setting, making it the best thermostat for renovation purposes.

CLASS A GFCI

The thermostat features a built-in Class A GFCI (Ground Fault Circuit Interrupter). Should a ground fault occur, the GFCI disconnects both lines to the heating element. The thermostat and GFCI are multi voltage models suitable for 120-240 V (incl 208 V), 50/60 Hz power supplies.

BUILT-IN CLOCK FUNCTION

The thermostats are supplied with factory-set 4-event program for automatic comfort and set-back temperatures.

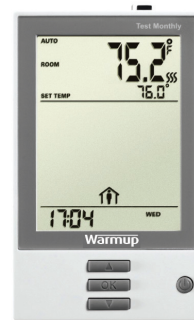
INDIVIDUAL PROGRAMMING OF EVENTS

The factory-set periods and/or temperatures can be changed according to requirements.

Furthermore, the following programs can be selected:

- 4 events for 5 days and 2 events for days 6+7
- 4 events for 6 days and 2 events for day 7
- 4 events per day

The programmable thermostat features an adaptive function, allowing it to calculate when the heating must be switched on to ensure that the comfort temperature is reached at the required time.



COMFORT MODE

The room temperature can be temporarily changed for a single event. The comfort mode temperature is reset after a selected number of hours. The thermostat will then return to the scheduled event program.

MANUAL MODE

The scheduled event program can be cancelled, e.g. during holidays, and the temperature set for frost protection purposes instead, e.g. to 41°F (5°C). The new set-point will remain active until manual mode is cancelled.

MONITORING OF ENERGY CONSUMPTION

Total switch-on time in percent can be displayed for the last 2 days, 30 days or 365 days. Overall energy consumption can thus be monitored.

TEMPERATURE LIMITATION

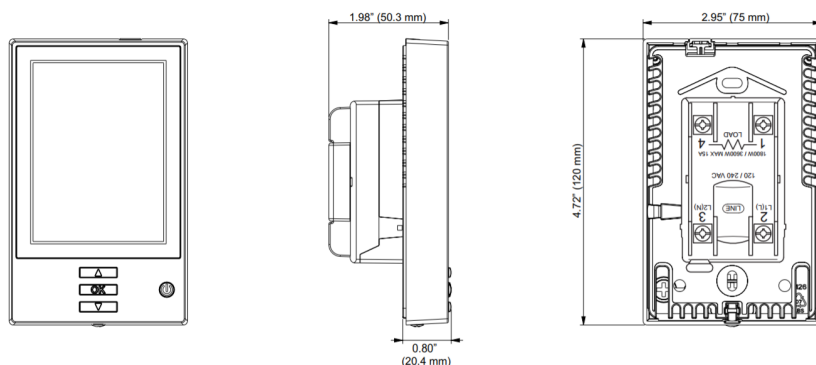
DUALUDG-4999 is supplied with a floor sensor which can be used for:

- Max. temperature limitation: For the protection of wood floors, etc.
- 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. However, the time must be reset if the power failure exceeds two hours.

DIMENSIONS



SPECIFICATION

Supply	120-240 Vac 50/60 Hz
Load	15A maximum (resistive load)
Power	1.800 W at 120 Vac
	3.120 W at 208 Vac
	3.600 W at 240 Vac
GFCI	Class A (5 mA trip level)
Temperature range	+41 to +104°F (+5 to +40°C)
Floor limit range	+41 to +104°F (+5 to +40°C)
Amb. Temp. range	+32 to +104°F (0 to +40°C)
Clock function	4-event program
On/Off differential	0.7°F (0.4°C)
Regulation principle	PWM / PI
Housing	Nema 2 (IP21)
Floor sensor type	NTC (12 K Ω) 10 ft (3 m)
Dimensions (H/W/D)	4.72/2.95/0.8 inch (120/75/20mm)

ADVANTAGES

- Efficient, Intuitive and Stylish
- Simple user interface and thoughtful installation design
- Pre-programmed for quick set-up
- Monitored energy consumption
- Simple operation - no need for manual
- Multi voltage: 120-240 V (incl. 208 V)
- Output relay: 15 A
- Large back-lit display for easy reading
- Single thermostat for all applications (room, floor, room with floor limitation and as regulator)
- Class A GFCI for wet room installation

WARRANTY & MAINTENANCE

When installed according to the installation manual, the WUDG is covered with Warmup's 3-year manufacturer warranty.

TECHNICAL SUPPORT

Warmup is available 24/7/365 at (888) 927-6333.

For quotes, layouts and specific technical information, contact us at: +1 (888) 927-6333

RELATED PRODUCTS

- NADCM-PRO - see WSC-0816
- NADWM - see WSC-0720
- NADWS - see WSC-0721
- FOIL - see WSC-0723
- WODH - see WSC-0724