

Installation Guide

DEVIreg™ 610

Electronic Thermostat

www.DEVI.com

DEVI®

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1 Introduction

DEVIreg™ 610 is an electronic thermostat to be installed directly on the wall. It is provided with a 2-pole switch and a wire sensor to control the desired temperature.

The thermostat has a button for adjusting the temperature setting with a scale from -10° to +50°C, and an LED indicator that shows standby periods (green light) and heating periods (red light).

More information on this product can also be found at: devireg.devi.com

1.1 Technical Specifications

Operation voltage	220-240V~, 50Hz
Standby power consumption	Max. 0.93W
Relay: Resistive load Inductive load	 Max 10A / 2300W @ 230V cos φ= 0.3 max 1A
Sensing units	NTC 15kOhm at 25°C
Sensing values: 0°C 25°C 50°C	 42kOhm 15kOhm 6kOhm
Hysteresis	± 0.2°C
Ambient temperature	10°C to +50°C
Temperature range	-10°C to +50°C
Cable specification max	1x4mm^2 or 2x2,5mm^2
Ball pressure temperature	75°C
Pollution degree	2 (domestic use)
Type	1C
Storage temperature	-20°C to +65°C
IP class	44
Protection class	Class II - ⧈

Dimensions	100 x 69.5 x 45mm
Weight	165g

The product complies with the EN/IEC Standard "Automatic electrical controls for household and similar use":

- EN/IEC 60730-1 (general)
- EN/IEC 60730-2-9 (thermostat)

1.2 Safety Instructions

Make sure the mains supply to the thermostat is turned off before installation.

Please also note the following:

- The installation of the thermostat must be done by an authorized and qualified installer according to local regulations.
- The thermostat must be connected to a power supply via an all-pole disconnection switch.
- The sensor is to be considered as live voltage. Have this in mind if the sensor must be extended.
- Always connect the thermostat to continuous power supply.
- Do not expose the thermostat to moisture, water, dust, and excessive heat.

2 Mounting Instructions

Please observe the following placement guidelines:

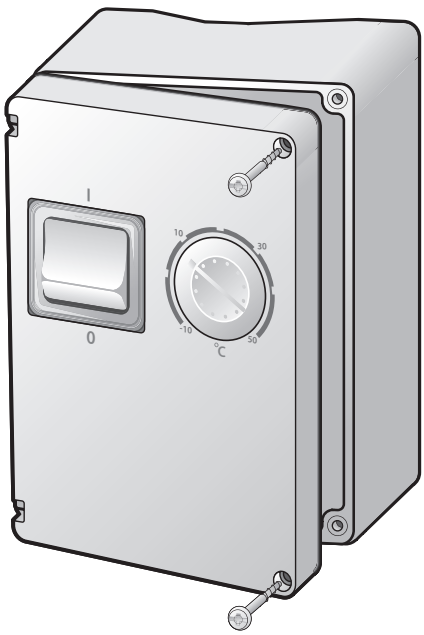
- The thermostat can be placed both indoors and outdoors.
- Place the thermostat on a wall, pole, steel/wooden plate or pipe.



In wet rooms, place the thermostat according to local regulation on IP classes.

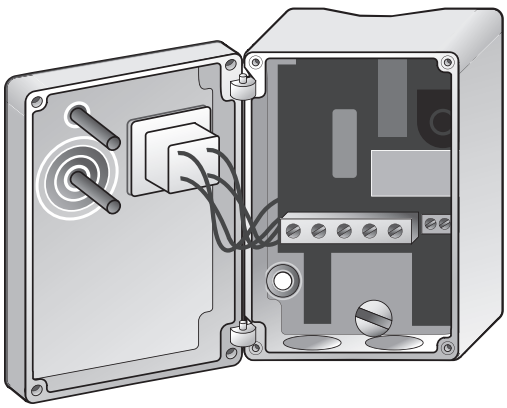
Follow the steps below to mount the thermostat:

1. Open the thermostat:



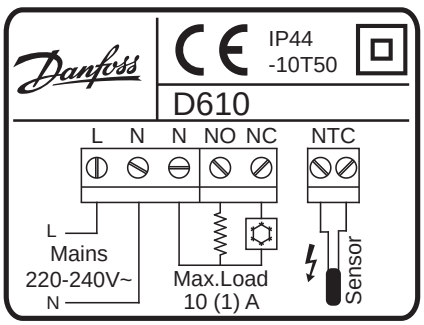
- Set adjustment button to minimum temperature.
- Loosen the 2 screws and open the front cover.

2. Fasten the thermostat:



- Drive the screws through the holes in the bottom corners of the thermostat.
- Seal the holes with the enclosed screw stopper to maintain the density.

3. Connect the thermostat according to the connection diagram.



- Heating: (L-main, N-main, L-load, NO (normally open) - load).
- Cooling: (L-main, N-main, L-load, NC (normally closed) - load).

The screen of the heating cable must be connected to the earth conductor of the power supply cable by using a separate connector.

4. Reinstall the front cover.

5. Ensure that the adjustment button can be adjusted within full temperature range, i.e. from -10°C to +50°C.

6. Install sensor using the supplied sensor cable - spec. NTC 15 kΩ @ 25°C.

   - Press out the blanket located at the bottom of the thermostat and insert the seal nipple.
   - Connect sensor to terminals 6+7.

   The sensor cable can be extended up to 50 m with 1.5 mm^2 installation cable without affecting the accuracy of the thermostat.

   Do not place the cable parallel to other installation cables as undesirable signals may be induced.

   The installation must be permanent.

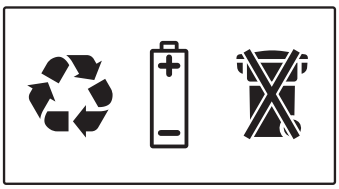
   If the sensor is to be built in, used for pipe applications, or exposed to pressure, always install it in a conduit.

7. Turn on the power supply.

3 Warranty



4 Disposal Instruction



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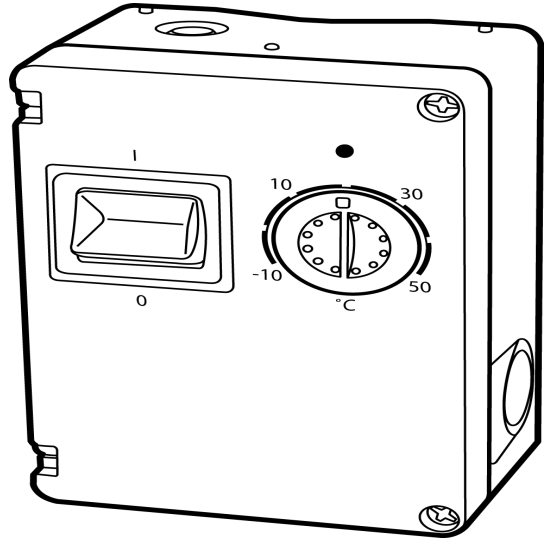
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Produced by Danfoss © 07/2012

DEVIreg 610 IP44

140F1080

220-240V~
50-60Hz~
-10 to +50°C
10A/2300W@230V~
IP44



Product Documentation

DK EL 7224215344
SE EL 8581196
NO EL 5491490
FI SSTL 3531041

Designed in Denmark for Danfoss A/S

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