

DEVI Operations Manual

Anticipatory Storage Controls Devireg 710 / 750

The anticipatory controller automatically adjusts the amount of heat stored in a stored floor in response to changes in the weather. Used in conjunction with a load switching contactor it will control floor warming with single period off peak supplies.

During off peak supply period the controller monitors outside temperature and switches the heating on via a suitable contactor.

With outside temperatures at approximately -1°C , a full 100% of the available charge would be taken, but at higher outside temperatures the amount of charge is proportionately reduced and delayed to the end of the charging period, to provide optimum heat when most needed.

Once installed, the controller, in its first 24 hours of operation registers and memorises the start and end of each off peak period, as signalled by the E.S.B time clock. The controller will provide comfortable temperatures at economic cost throughout the year automatically without the need for seasonal or further adjustment.

Wall Mounted Thermostats

The Devireg 121 series are solid state electronic thermostats for close temperature control and have a range of 5°C to 25°C with remote sensor or 5°C to 30°C when sensing air temperature. They have 10 amp switching capacity and may be wall mounted.

Each digit on the controller represents 5°C , so a setting of 4 on the controller is equal to an ambient air temp of 20°C .

The Devireg 121 is a traditional room air sensing thermostat that controls the boost heating in a room in a simple on / off fashion.

How to operate your Boost Heating

When switching it may take one hour or more before you obtain the full benefit of the heating depending on the weather and how long the system has been switched off.

When you are away for short periods or have rooms that are not in use simply turn the thermostat down - not off - when normal heating is required turn the thermostat back to the selected setting.

Operating the system this way, keeping the thermostat above about 10°C , will help avoid condensation and give a quicker heat-up when normal heating is required again.

Operating Instructions for Devireg 750™ Controller

Lamp (E):

A red light glows when heating is on.

A green light glows when heating is off.

When no light is shown the floor temperature has exceeded the setpoint and the floor circuits have been automatically switched off.

Lamp (F):

An intermittent red light will flash at all times, the rate of flashing indicates the percentage of load been applied.

Control (A) Night Dial:

▼ This is the normal setting, When the dial is set to this setting the controller takes in the designated charge as set by the outdoor sensor.

-2 When the dial is set to this setting it takes in 15% less of a charge than designated.

-4 When the dial is set to this setting it takes in 30% less of a charge than designated.

+2 When the dial is set to this setting it takes in 15% extra of a charge than designated.

+4 When the dial is set to this setting it takes in 30% extra of a charge than designated.

Control (B) DAY DIAL:

▼ This is the only setting to be used on this dial. The Const. Setting is for testing purposes only.

Limit (C):

This sets the limit of the maximum floor temperature; this should be set to a position that is equidistant between 40 & 55. (Roughly around the 3'o Clock mark)

Dial E1 (D):

This dial sets the design temperature of the stat. This should be set to -1, which is the Irish temperature setting.

The effect of the above adjustments will not be felt until the next day.

The Storage Heating Controller:

