

TO ALTER THE SET TEMPERATURE

The SET temperature should be adjusted to a level at which you are comfortable, (try the preset 20°C to start and adjust if necessary). Depressing either the + or – button will activate SET mode and SET room temperature will be displayed.



The SET temperature can now be adjusted up or down in steps of 1°C by pressing the + or – buttons, between a range of 5°C to 30°C. Pressing a button once will change the temperature 1°C, holding a button will make the setting 'run'. If the selector pin at the rear of the Digistat has been removed (see installation instructions) the range is limited from 16°C to 30°C.

The Digistat will revert to displaying actual room temperature 5 seconds after the temperature setting is changed and buttons are released.

BATTERY REPLACEMENT

30 days before the batteries need replacing, a battery symbol will flash in the right hand side of the display. This signifies that 2 x 1.5V type AA **alkaline batteries** will be needed to replace the existing ones. The battery compartment is situated at the bottom of the unit (press to unlatch and slide down). Ensure new batteries are installed correctly. When batteries are replaced the SET temperature may revert to 20°C and will therefore need resetting to the desired level.



After 30 days, only a continuous battery symbol will be displayed and the unit will remain OFF.

CONFORMS TO THE ESSENTIAL REQUIREMENTS OF THE FOLLOWING DIRECTIVES:

89/336/EEC – Electromagnetic compatibility
73/23/EEC – Low voltage directive



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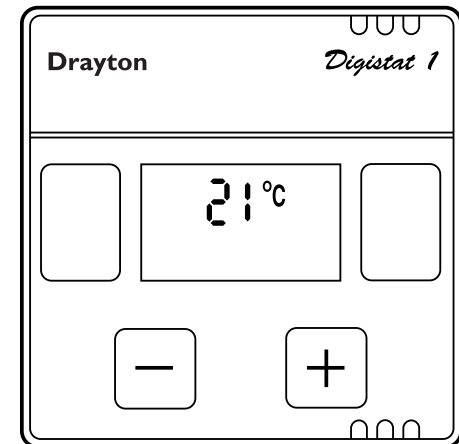
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Digistat 1

Digital room thermostat

Installation and operating instructions



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GENERAL DESCRIPTION

Digistat 1 is a highly accurate electronic room thermostat designed for use in normal operating environments. When installed on new or existing central heating systems it provides the benefits of greater comfort and economy. The result of our continuous development programme, Digistat 1 combines ease of use with proven reliability.

ELECTRICAL CONNECTIONS

If the Digistat is to be used as a direct replacement for an existing room thermostat refer to the table below which shows the wiring conversion necessary for correct operation.

Make/model	Common	Demand	Satisfied	Neutral	Earth
Drayton Digistat 1*	1	3	2	Not required	
Drayton RTS 1&2	L	3	-	N	-
TS142	1	2	-	4	E
TA350	1	3	2	-	5
Drayton RT/RTE	1	2	3	4	-
Honeywell 6060/6160	1	3	4	2	-
Satchwell TLX 2259	3	1	-	4	E

* Digistat is battery operated and double insulated therefore neutral and earth connections are not required. Unused existing cables should be safely isolated.

SPECIFICATION

Temperature range:	5°C to 30°C, set in 1°C steps 16°C to 30°C (selectable)
Power supply:	Two type AA1.5v alkaline cells – supplied (typical battery life two years)
Switch rating:	2 (1) A 230V 50 HZ
Switch type:	S.P.D.T. relay (volt free)
Temperature sensor:	Electronic
Mounting:	Suitable for surface or conduit box mounting
Wiring:	Designed for fixed wiring only, to comply with current IEE regulations

WARNING

Isolate mains supply before fitting Digistat or removing an existing room thermostat.
A switch having contact separation of at least 3mm in all poles must be incorporated in the fixed wiring as a means of providing full disconnection of the mains supply.

REPLACING EXISTING ROOM THERMOSTAT

Before any existing room thermostat is removed, note the position and colour of wires already connected. Follow the instructions below for 'new installations' referring to the conversion chart overleaf if the function of each wire is not known.

IMPORTANT

If the previous room thermostat used a neutral and/or earth supply, these **should not** be connected to the Digistat and should be safely isolated.

NEW INSTALLATION

Location

Care should be taken to mount the Digistat in a position which is not subject to direct sunlight or draughts. Preferably it should be mounted on an inside wall about 1.5M (5ft) above the floor in a position where it can respond to room temperature but away from the direct influence of radiators or other appliances giving off heat. Minimum wall plate clearances are shown.

Installation

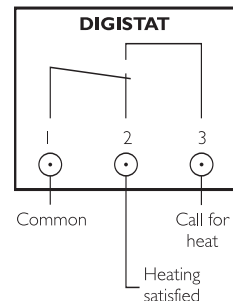
If you do not have the knowledge to install the Digistat safely arrange for a competent electrician to do the job for you. Wiring should conform to the current IEE regulations.

Fixing

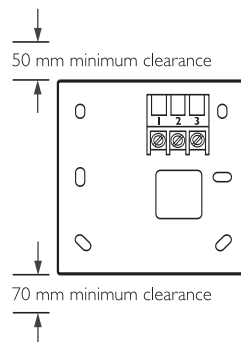
1. Loosen the securing screw, remove the wall-plate and, if surface wiring is to be used, snap out the cable entry panel on the bottom edge of the Digistat using a pair of pliers.
2. Fix the wall-plate, terminals at the top, either direct onto a flat wall using wall plugs and No 6 x 1" woodscrews or on a flush mounting single conduit box using M 3.5 x 14 screws.
3. Complete the wiring to the wall-plate in accordance with the diagram below.
4. Note: the Digistat comes preset with a temperature range of 5°C to 30°C. If you wish to select the optional range of 16°C to 30°C, remove the selector pin at the rear of the unit before fitting.
5. Plug the Digistat onto the wall-plate and tighten the securing screw.
6. Before switching on the mains **ENSURE THE CIRCUIT FUSE IS 3A.**

Wiring (schematic)

See 'IMPORTANT' note in box opposite



Wall plate clearances



Maintenance

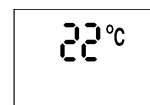
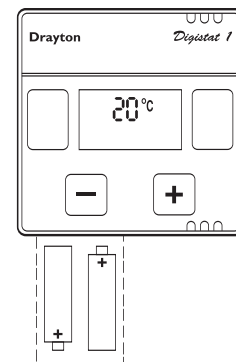
No regular maintenance is required for this product.

INITIAL START UP

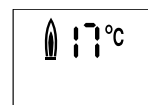
Open the battery compartment situated at the bottom left hand corner (press to unlatch and slide down). Remove the insulator strip from between the batteries and their contacts and close the compartment.

The unit will now display the actual room temperature.

The SET temperature comes preset at 20°C, if the actual room temperature is below 20°C, a 'flame' symbol will appear at the left hand side of the display, this indicates a demand for heat (system will switch on).



System Off



System ON

During normal operation, the Digistat 1 will display actual room temperature continuously.