

Single multi-purpose versatile control allows the adjustment of *DIGISTAT*'s Set-Point from a remote location. Includes BS5733 type mountings.

Features

- m One adjuster - three applications (all panel labels supplied)
- m $\pm 4^{\circ}\text{C}$ Adjustment
- m -5°C to $+45^{\circ}\text{C}$ Adjustment
- m 25°C to 95°C Adjustment
- m Easy single 10mm mounting hole
- m BS5733 standard type mounting faceplate included

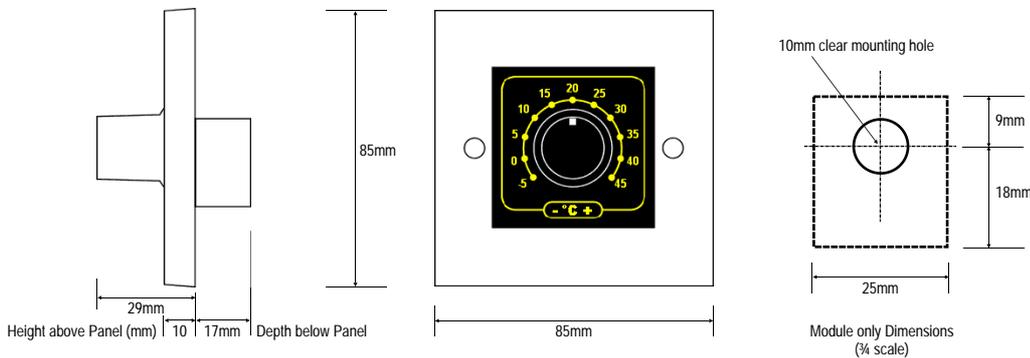
EXTERNAL SETPOINT CONTROL



SPECIFICATIONS

Type	Mounting	Displayed Temp Range	Enclosure
CAD-POT	10mm hole BS faceplate	-4°C to $+4^{\circ}\text{C}$ -5°C to $+45^{\circ}\text{C}$ 25°C to 95°C	IP00

DIMENSIONS



Notes:

1. Depth behind panel of the module itself is 21mm max.
2. The Bush length is 8mm of which 7mm is threaded. A securing lockwasher and nut is provided.
3. The control shaft is supplied uncut at its full length of 32mm to cater for all possible mounting options. Cut the shaft to a length of 14mm if mounting directly onto a panel or the BS faceplate supplied.

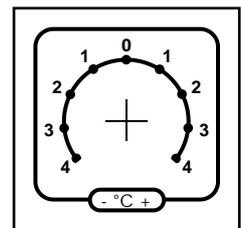
INSTALLATION

1

Prior to mounting, if required, trim the CAD-POT's shaft to the desired length - see Note 3 in the Dimensions section above (Engineering Tip - if cutting the shaft, use a pencil sharpener to deburr the end and leave a professional chamfered finish). Then mount into the predrilled 10mm mounting hole. Secure with the lockwasher and nut provided. Do not overtighten or you will strip the thread or otherwise damage the plastic bush.

2

Affix one of the three self-adhesive labels provided onto your control panel (depending on your required set-point application). If you select either the $-5/+45^{\circ}\text{C}$ or the $25/+95^{\circ}\text{C}$ label, then ensure your *DIGISTAT*'s set-up is configured for the appropriate **External Pot** range. Connect the CAD-POT to the appropriate terminals on the *DIGISTAT*.

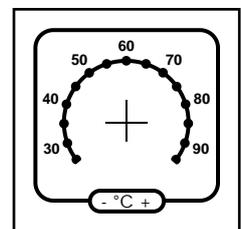
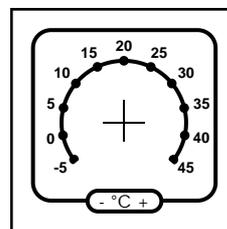


3

For accuracy, your selected scale must now be **CALIBRATED** against the *DIGISTAT*'s settings. Calibration is a necessity because mechanical errors and play in the manufacturing of rotary controls commonly give tolerances as high as 20%.

With the Set-Point displayed on the *DIGISTAT*'s control panel, rotate the CAD-POT's shaft until the scale mid-way reading is shown... ie adjust for set-point zero deviation if using the $\pm 4^{\circ}\text{C}$ Pot scale, adjust for 20°C if using the $-5/+45^{\circ}\text{C}$ External Pot scale, or adjust for 60°C if using the $+25/+95^{\circ}\text{C}$ External Pot scale. Slide on the control Knob and affix firmly with the knobs grub screw so that the pointer indicates the current setting as displayed on the *DIGISTAT*.

Calibration is now complete. Adjust the pointer to the desired setting.



NOTES

Keep away from Power Cables or sources of interference.
Screened cable is recommended to eliminate electrical interference.
Terminals 0.5-2.5mm² with wire clamps. Max cable length 100m.
Ambient Temp $-20^{\circ}\text{C}/+50^{\circ}\text{C}$ dry bulb.
CAD-POT is most accurate with *DIGISTAT*'s with software version 2 or later, however will function with earlier version software but with a slightly impaired mechanical accuracy.

For Technical Support in the first instance contact your distributor. Installation should be checked by qualified electrician before applying any voltage. Always ensure devices switches correctly at the desired temperature. If failure of device can cause damage, ensure a suitable safety backup is fitted. Observe all relevant safety precautions, regulations and electrical ratings. Observe all precautions for handling electrostatic sensitive devices. Specifications for guidance only and subject to change without notice. E&OE.