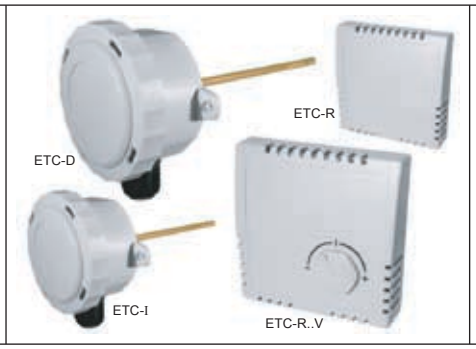
TEMPERATURE CONTROLLERS 0-10VDC PROPORTIONAL 1 - 2 STAGES

ETC..

These products can monitor the temperature inside buildings, rooms, ducts (return air), tanks, pipes etc and give a 0-10vdc output signal linear across the desired proportional band. Suitable to control damper motors, valve actuators, step controls, relay modules & thyristors etc. The duct unit should be mounted in the return air. If multi-stages of heating and cooling are required, use the ETC. 52 and 2 sets of relay modules ie. 2 x E2RM etc.



NTC thermistor sensor
Supply 24VAC/DC ±15%
Power consumption 15mA
Load >10KΩ
Adjustment under the cover
Enclosure Flammability
ETC-R.. = UL94-HB
ETC-D, ETC-I = UL94-V0

Type	Mounting	Range °C	Prop Band °C	Neutral Zone °C	Output Signal	Function	Sensor NTC	Enclosure
ETC-R50	Room	0/+50	1/10 adj.	-	0-10vdc	Htg or Clg	In-built	IP30
ETC-R52	Room	0/+50	1/10 adj.	1/6 adj.	2x0-10vdc	Htg + Clg	In-built	IP30
ETC-R30V	Room	15/30	1/10 adj.	-	0-10vdc	Htg or Clg	In-built	IP30
ETC-R32V	Room	15/30	1/10 adj.	1/6 adj.	2x0-10vdc	Htg + Clg	In-built	IP30
ETC-D50	Duct	-10/+50	1/10 adj.	-	0-10vdc	Htg or Clg	In-built	IP65
ETC-D52	Duct	-10/+50	1/10 adj.	1/6 adj.	2x0-10vdc	Htg + Clg	In-built	IP65
ETC-D95	Duct	25/95	1/10 adj.	-	0-10vdc	Htg or Clg	In-built	IP65
ETC-I50	Immersion	-10/+50	1/10 adj.	-	0-10vdc	Htg or Clg	In-built	IP65
ETC-I95	Immersion	25/95	1/10 adj.	-	0-10vdc	Htg or Clg	In-built	IP65

ORDER POCKET SEPARATELY – SEE BELOW

DIMENSIONS:

ETC-I.. Approx 80dia x 55 Probe length 120mm

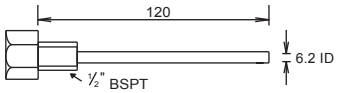
ETC-R.. 85H x 85W x 30D Can be mounted on square or round outlet box

ETC-D.. Approx 80dia x 55 Probe length 160mm

ACCESSORIES:

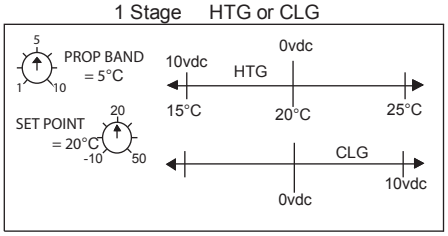
EE-2B ½" BSP x 120mm Brass pocket for ETC-I..

EE-STK ½" BSP x 120mm Stainless Steel pocket for ETC-I..

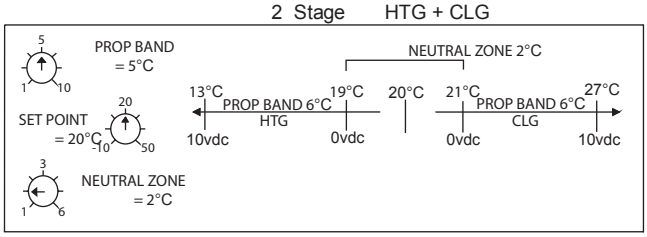


EXAMPLES:

1 Stage HTG or CLG

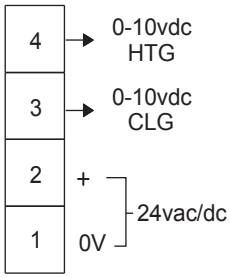


2 Stage HTG + CLG



WIRING:

ETC..



INSTALLATION: Terminals 0.5-2.5mm² Max length 100m. Sensor cable size 7/0.2mm Screened cable is recommended. Keep away from power cables/units which may cause interference. The screen should be earthed at the controller end only.

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