FEATURES

- Microprocessor based with / without LED display
- 2-position, 3-point or 0-10Vdc output
- Fan speed and Heat/Cool changeover switch options
- Automatic Heat/Cool changeover option through external temperature sensor

BENEFITS

- High accuracy
- Fast response
- Long life
- Easy to operate
- Digital display

TECHNICAL DATA

Setting range : 15°C-35°C adjustable
Sensing element : NTC Thermistor
Operating voltage : 230Vac or 24Vac ±10%
Output control signal : 2-position, 3-point or 0-10Vdc
Relay rating at 24/230Vac : Resistive Load 5A, Inductive Load 3A
Terminals : Accept max. 2.5 sq. mm cable
Permissible ambient temp. : (-)20°C - (+)40°C
Protection : IP 30
MODEL DESIGNATION

TR-13

Power supply
1 - 230Vac, 50Hz, 1Ph
2 - 24Vac, 50Hz, 1Ph

Switch options
0 - No Switch
2"* - LOW/OFF, MED/HI

Display
D - LED display
X - None

Control outputs
2 - 2-Position
3 - 3-Point
V - 0-10Vdc output

Special features#
E1 - External temperature sensor
E2 - External Heat/Cool changeover sensor
B - 2-10Vdc from BMS§
X - None

* With internal Heat/Cool changeover switch
# In case of more than one special feature the multiple features shall be specified in the same block i.e. E1.B

WIRING DIAGRAMS

TR 13_0D-3-E*

Power Supply
N
L

Vout

Cooling

Heating

Com

Ext. Sensor

TR 13_2D-2-E1

Power Supply
N
L

LO

MED

HIGH

Com

Ext. Sensor

TR 1320D-V-E1.B#

Power Supply
N
L

GND

Vout

Ext. Sensor

2-10Vdc from BMS#}

§ applicable to models (E) with external sensor
# applicable to models (B) BMS Compatible

Subject to technical alteration