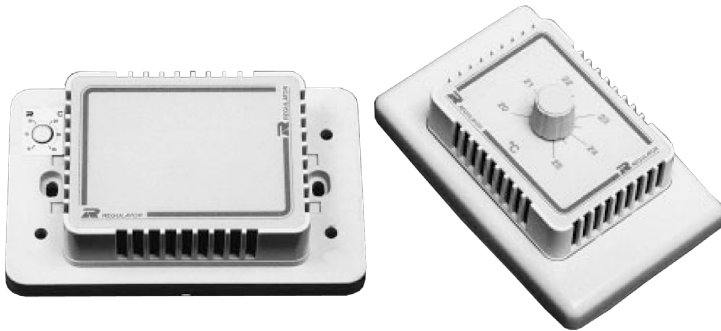




# Regulator Systems

MANUFACTURER OF AIR CONDITIONING CONTROLS AND INSTRUMENTATION

## TR2101/TR2103/TR2113 SENSOR/SETPOINT UNITS



### GENERAL DESCRIPTION

The TR2101, TR2103 and TR2113 units combine a remote setpoint with a temperature sensor. This provides the convenience of reduced wiring, and having the setpoint at a suitable location. Both units feature our standard thermistor temperature sensor mounted in specially designed vented enclosure.

The TR2101 and TR2103 have a concealed setpoint, which becomes accessible when the surround is removed. A small screwdriver is required to adjust the setpoint. The TR2113 has an exposed setpoint with knob located in the centre of the front panel which provides an easy to adjust arrangement for the user.

### INSTALLATION

To ensure the thermistor is not influenced by any extraneous external thermal activity, considerable care should be taken when determining the location to obtain a representative temperature of the area. The unit should preferably be located on an internal wall, approximately 1.5 metres above the floor. Care should be taken to avoid concealed water pipes, air ducts, heat sources such as lights, copiers, computers etc, locations that are exposed to direct sunlight or areas directly affected by the supply air stream. Corner locations should be avoided because of reduced air circulation.

### TECHNICAL DATA

Sensor NTC Thermistor 2 K ohms @ 25° C

Sensor accuracy +/- 0.3°C over 0 - 70°C

Setpoint Range TR 2101 10 - 35°C

Setpoint Range TR2103 and TR2113 20 - 25°C

Setpoint Resistance TR2101 2 K to 7 K ohms

Setpoint Resistance TR2103 and TR 2113 4 K to 5 K ohms

Voltage output with 0.5mA constant current source  
2.0-2.5 vdc

Maximum connection cable 500 m with 1.00 mm<sup>2</sup>Cu  
Suitable for all Regulator Controllers except ET4 & SYSTEM 80.

### DIMENSIONS

