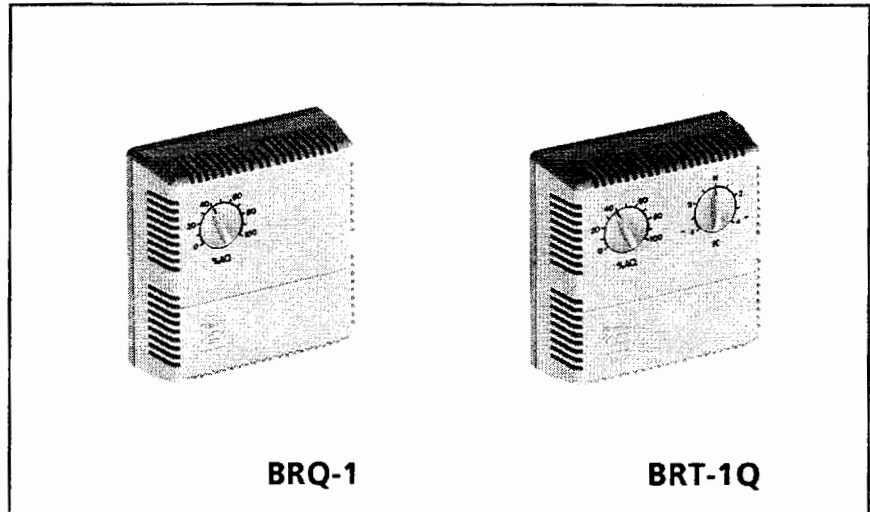


Room setpoint unit for air quality control (BRQ-1)

Room setpoint unit for air quality and temperature control (BRT-1Q)

Application

For use in conjunction with controllers in the INTEGRAL RS range for remote adjustment of the room air quality and temperature setpoints.



Technical data

Adjustment range:

- Air quality 0 ... 100 %aq
 - Temperature ± 4 K
- Supply voltage 15 VDC ± 10 %
Power consumption 15 mW

Output signal

- Air quality 0 ... 10 VDC
- Temperature Potentiometer

Accuracy

- Air quality ± 5 % of full scale
- Temperature ± 0.5 K

Connection:

- BRQ-1 3-wire
 - BRT-1Q (aq) 3-wire
 - (Temperature) 2-wire interchangeable
- Max. cable length 280 m 1.0 mm² Cu
140 m 0.5 mm² Cu
(max 5 Ω each conductor)

Protection class

Protection standard III (\diamond)
IP 30 to IEC 529, DIN 40050

Ambient temperature:

- Operation 0 ... 50 °C
- Storage -25 ... 70 °C

Principle of operation

The air quality setpoint is adjusted by means of an active sensor and amplifier providing a 0 ... 10 VDC output signal. The setpoint is scaled in %aq.

The temperature setpoint is adjusted with a passive potentiometer.

Construction

The unit is supplied in a standard multi-part plastic housing.
(For description and dimensions, see 1718).

Mounting instructions

The setpoint potentiometer should be mounted at a height of approximately 1.5 m above floor level.

A frame is supplied as an accessory for surface mounting.

Terminal layout

