

# Q.RCU-A-xxxx Series

Analog room control unit



## Overview

The Q.RCU-A-T series are versatile room temperature sensors. All Q.RCU-A-T models possess an integrated temperature sensor for precision local temperature sensing. In addition, some models feature a rotary knob for setpoint adjustment, fan speed setting, and a push button for occupancy override.

The alluring, slim profile enclosure is suitable for classrooms, hotels, executive areas, office spaces and commercial areas. A separate sub-base allows it to be mounted on dry wall or on electrical junction box.

## Applications

- Precise temperature monitoring
- Allows occupant setpoint adjustment, fan speed selection, and system override initiation and status indication

## Features & Benefits

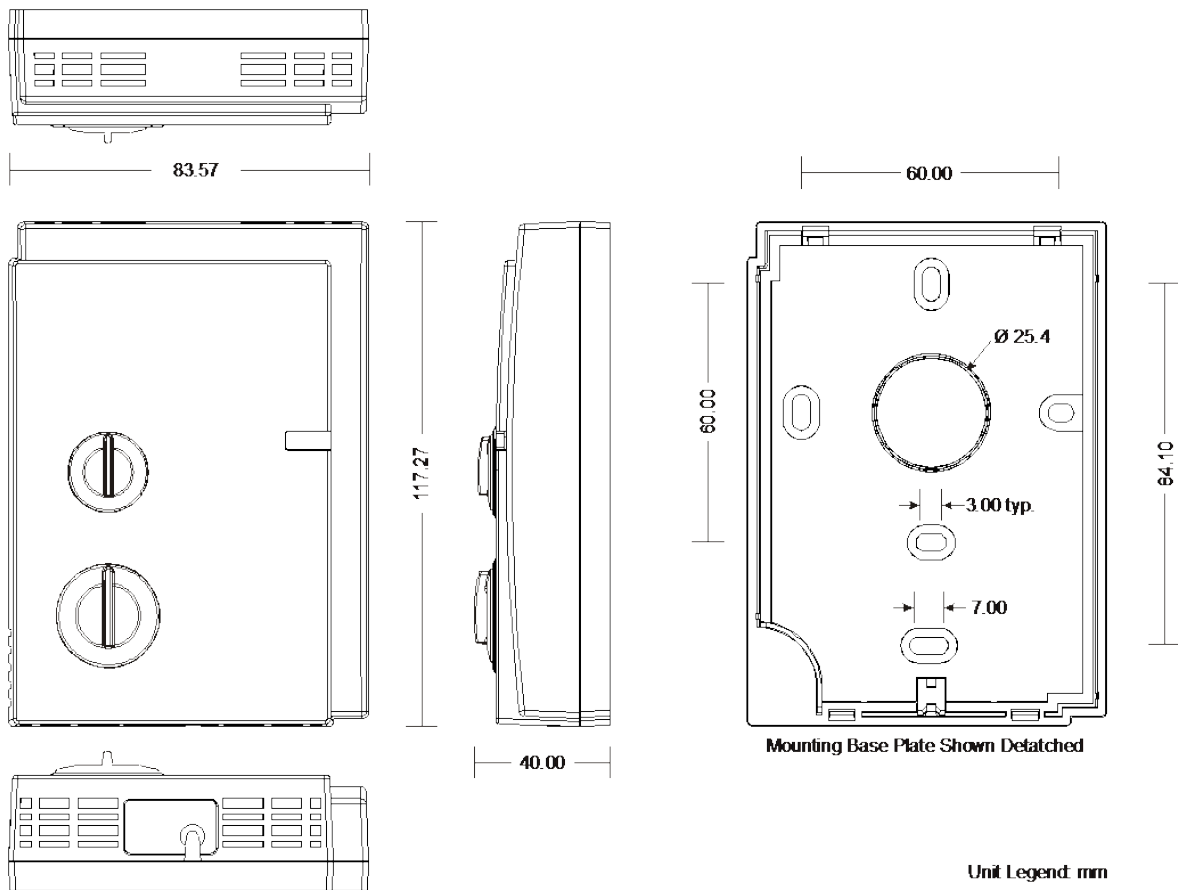
- Slim, compact style, and clean lines are well received by architects and building owners.
- For people working outside of core hours, an occupancy control extends normal system operating hours for continued comfort while saving energy when possible. Occupancy status is shown with a LED indicator.
- Fan speed selector for improved personal comfort with the Q.RCU-A-TSOF model.
- Accurate temperature monitoring while some models have setpoint override for increased individual comfort.
- Supports various mounting scenarios: Install the Q.RCU-A-xxxx directly on dry wall or on a North American, European, or Asian style junction box.

## Q.RCU-A-T Series Models



Model	Q.RCU-A-T	Q.RCU-A-TS	Q.RCU-A-TSO	Q.RCU-A-TSOF
Monitor space temperature	■	■	■	■
Occupancy override			■	■
LED (Occupancy)			■	■
Setpoint cool/warm (+/-)		■	■	■
Fan speed selector				■

## Product Dimensions



## Product Specifications

### Temperature Sensor

Type	10 k $\Omega$ Type II Thermistor (10 k $\Omega$ @ 25°C)
Range	0°C to 50°C
Accuracy	$\pm 0.5^\circ\text{C}$

### Functions

Occupancy Override	Momentary push-button switch short-circuits the thermistor
LED (occupancy)	Green, powered by 12 VDC or 24 VAC
Setpoint Cool/Warm (+/-)	10 k $\Omega$ linear rotary potentiometer
Fan Speed Selection	5-position rotary-switch with factory-programmed resistance values:
Auto	0 Ohms
Off	2500 Ohms
Fan Speed 1	5000 Ohms
Fan Speed 2	7500 Ohms
Fan Speed 3	10 000 Ohms

### Environmental



Operating Temperature	0°C to 50°C
Storage Temperature	-20°C to 70°C
Relative Humidity	0 to 90% non-condensing

### Enclosure

Material	ABS type PA-765A
Color	Off white
Dimensions (overall)	117 mm $\times$ 84 mm $\times$ 40 mm
Shipping Weight	Per sensor: 0.18 kg
Installation	Wall mounting through mounting holes (see figure above for hole positions)

### Agency Approvals

### Electromagnetic Compatibility

	2004/108/EC
	All materials and manufacturing processes comply with the RoHS directive and are marked according to the Waste Electrical and Electronic Equipment (WEEE).

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