

# COSYS-Q<sup>2</sup> IoT Tech

The future of building & environmental management

You ever feel like building controls are five technological steps behind other industries? The Cosys Q<sup>2</sup> system is the first system that feels contemporary – leveraging current technology without feeling gimmicky. Most importantly the Q<sup>2</sup> enhances your ability to manage and effectively monitor & control any building environment.

## Jam Packed with Sensors

The Q<sup>2</sup> comes in an appealing package bundled with all the sensors to give a true view of environmental conditions. Room temperature, humidity, occupancy, motion, and even an IR blaster. Commissioning engineers can utilize the LED ring light and speaker to subtly (Or not so subtly) communicate the status of the controlled equipment to people on site.

## True Space Measurement

A typical temperature sensor is mounted on the wall, perhaps in a location that reflects the zone of control, often not. The Q<sup>2</sup> projects an IR mesh to truly measure the entire space for an accurate reading. No more calls indicating that it's too hot or too cold – you now have the confidence that the setpoint is truly an indication of the occupied room temperature.

## Open & Wireless

Designed from the ground up to be robust and flexible, the Q<sup>2</sup> supports a number of prominent building controls protocols including BACnet, Modbus and the EnOcean wireless protocol. Coupling the ability to interface with other sensors and controls is onboard Bluetooth for easy monitoring and commissioning.

## Priced for Ubiquity

All that technology is great only when the ROI makes sense. The Q<sup>2</sup> is priced aggressively so that it can be a center point in all of your installations. Find out more by visiting [www.questcontrols.com](http://www.questcontrols.com)



## Key Features

- Combines humidity, composite temperature, passive infrared motion and light sensors in a single device
- Supports up to 32 EnOcean wireless input devices
- Support for Modbus and BACnet
- Bluetooth beacon broadcasts identifiers to Bluetooth-enabled smartphones with the dedicated app installed
- Full color articulated LED ring provides silent indications to room occupant
- Audio tones provide user feedback

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## Specifications

### Temperature

Composite Temperature Value  
± 0.5°C (± 1.0°F) with calibration

Digital Temperature Sensor  
± 0.5°C (± 1.0°F)

Infrared Temperature Sensor  
± 1.0°C (± 1.8°F) typical

### Humidity Sensor

Accuracy ± 3% for 20% to 80%  
@ 15°C to 30°C (59°F to 86°F)

### Motion Sensor

Passive infrared (PIR) motion sensor

### Audio Input

2 microphones for acoustic occupancy detection

### Light Sensor

± (6 + 5% reading) lx

### LED Ring

Full color articulated with 12 RGB LEDs

### Audio Output

1.0 W mono speaker for tones and audio output

### Device Addressing

Rotary switch

### Connectors

Removable screw-type terminal connectors

### Wiring Class

Class 2 / SELV

### Power Consumption

24 VDC, 1 W typical, 7 W max, Class 2\*  
\*Power can be supplied from an O3-DIN-CPU

### Communications

EnOcean (902 or 868 MHz)

Bluetooth Low Energy Beacon  
(Version 4.2)

O3BUS Port (CAN-based)

IR Transmitter

### Ambient

0°C to 45°C (32°F to 113°F)  
10% to 95% RH (non-condensing)

### Dimensions

180 × 41.5 mm (7.1 × 1.6 in.)

### Weight

350 g (0.77 lb)

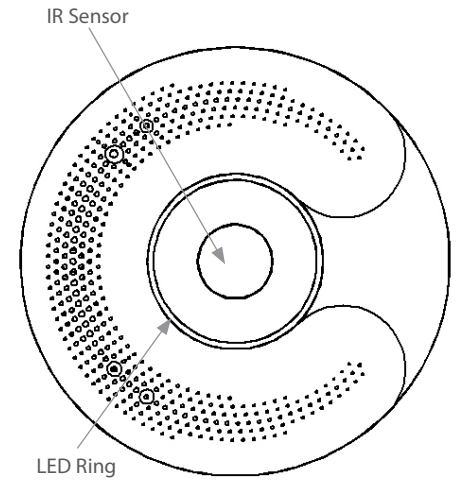
### Compliance

CE  
EAC  
FCC/IC

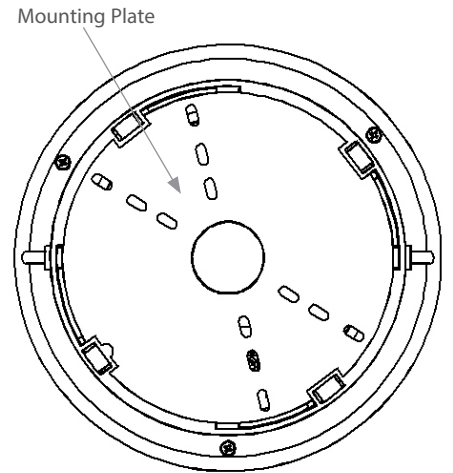
Bluetooth FCC ID: XPNINAB1  
Bluetooth IC ID: 8595A-NINAB1  
EnOcean 902 MHz FCC ID:  
ZV-STM300U  
EnOcean 902 MHz IC ID:  
713A-STM300U

### Listings

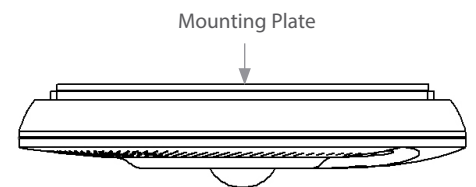
UL 916 Listed



(FRONT VIEW)

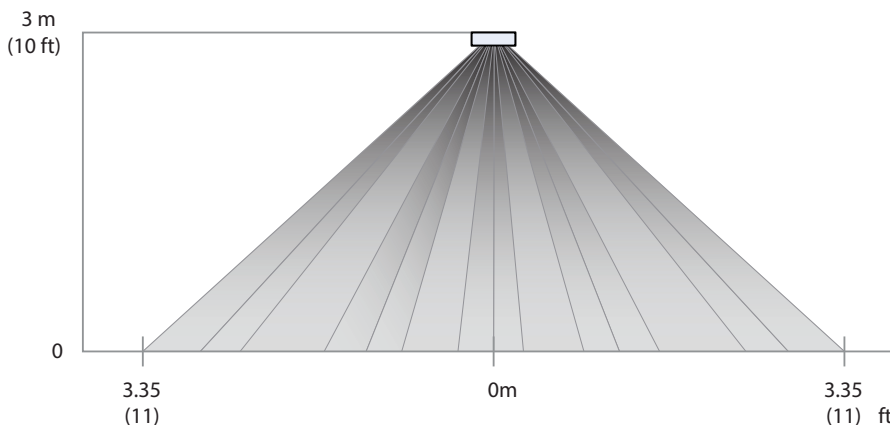


(BACK VIEW)



(SIDE VIEW)

## Passive Infrared Motion Coverage



Mounting Height	PIR Sensing Range (Diameter)
2.4 m (8 ft)	5.5 m (18 ft)
3 m (10 ft)	6.7 m (22 ft)

Specifications subject to change without notice

### Quest Controls

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**COSYS**<sup>TM</sup>  
Application & System Controls