

COSYS-Q²

The future of building & environmental management

You ever feel like building controls are five technological steps behind market trends? The COSYS Q² is the first system that feels contemporary without feeling gimmicky. Packed with industry standard technologies, the Q² finally allows you to couple your legacy systems with emerging tech. Through that, the Q² enhances your ability to manage and effectively monitor & control your portfolio of restaurants from your smart phone, PC or tablet.

Jam Packed with Sensors

Traditional controls are limited to available inputs and outputs. The Q² comes in an appealing package bundled with numerous sensors to give a true view of environmental conditions - room temperature, humidity, occupancy, motion, and even an IR blaster. That along with support for EnOcean sensors means that you are not constrained to simple logic, but all sorts of triggers to ensure maximum savings while providing your customers optimal comfort.

True Space Measurement

A restaurant is a complex environment where guest comfort is among the most important priorities. A traditional system uses a wall-mounted sensor, typically not centrally placed, to indicate an entire dining area. The Q² is mounted on the ceiling for maximum flexibility, and then projects an IR mesh 11 feet in diameter to truly measure the space for a much more accurate reading – keeping the dining experience superior.

Open & Wireless

Designed from the ground up to be robust and flexible, the Q² supports a number of prominent building controls protocols including BACnet, Modbus and EnOcean wireless sensors and devices. Coupling the ability to interface with other sensors and controls is onboard Bluetooth for easy direct monitoring and commissioning utilizing a tablet or smart phone.

Aesthetically Pleasing

Move aside from clunky traditional controls, the Q² is designed to feel contemporary without calling attention to itself. Concerns with distracting aesthetics are a thing of the past.

Go Beyond HVAC

Controlling air conditioning units is only the beginning. Leverage the Q² to count customer traffic, trigger lighting, activate window shades, convey messaging regarding system operations and much more.

Priced for Ubiquity

All that technology is great only when the ROI makes sense. The Q² is priced aggressively so that it can be a center point in all of your installations. Find out more by visiting www.questcontrols.com



Key Features

- Combines humidity, composite temperature, passive infrared motion and light sensors in a single device
- Acts as a hub for any automation routines – traffic counts, HVAC control, lighting control, etc.
- Supports up to 32 EnOcean IoT wireless input devices & sensors
- Support for Modbus and BACnet
- Bluetooth beacon broadcasts identifiers to smartphones with the Q2 app installed
- Full color articulated LED ring & speaker provide system indications to occupants

COSYS-Q² IoT Tech

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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)

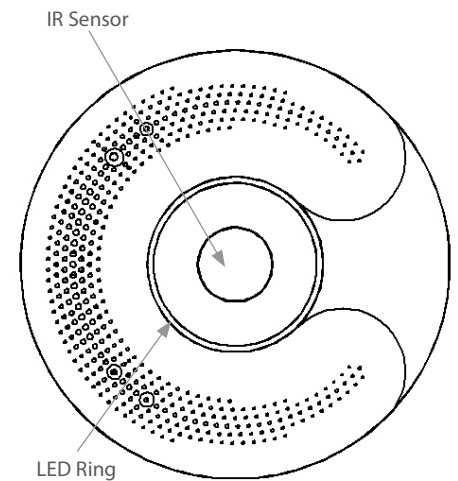
Compliance

CE
EAC
FCC/IC

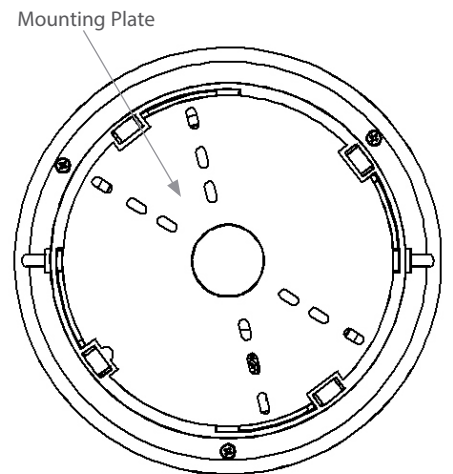
Bluetooth FCC ID: XPNINAB1
Bluetooth IC ID: 8595A-NINAB1
EnOcean 902 MHz FCC ID:
ZV-STM300U
EnOcean 902 MHz IC ID:
713A-STM300U

Listings

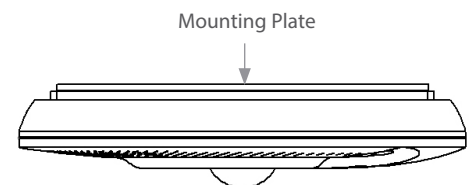
UL 916 Listed



(FRONT VIEW)

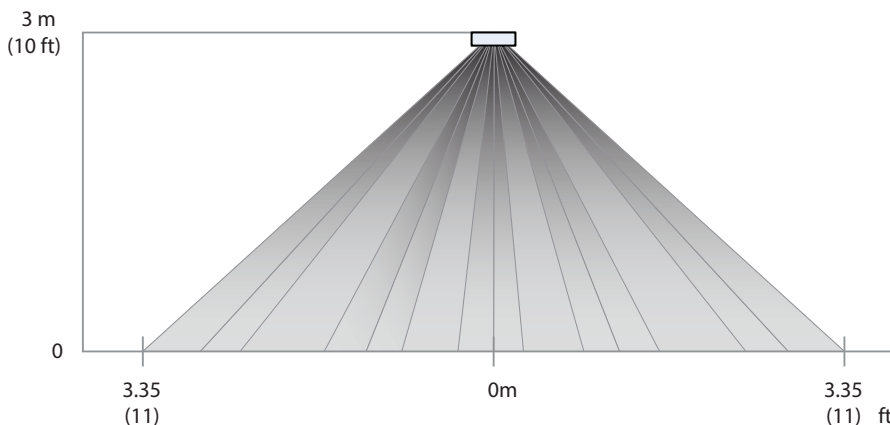


(BACK VIEW)



(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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Application & System Controls