intuitous
ENERGY CONSERVATION

Intuitous Remote Occupancy Sensor

ECS-O

The Intuitous Wired Remote Occupancy Sensor (ECS-O) is an accessory product designed to integrate with Intuitous Wired HVAC & Lighting Controllers. Up to 10 remote sensors can be daisy-chained together and connected to a controller to provide an expanded detection area. The remote sensors are simple to deploy and draw all power from the controller. Larger sensor networks, (greater than 10 ECS-O's) can be deployed provided that an external 12VDC power source is used.

The ECS-O employs Passive Infra-Red (PIR) technology that detects human presence by measuring changes in the infrared levels emitted by surrounding objects. The sensor is optimized for the wavelength of heat energy emitted by humans. The sensor's Ceiling mount design enables optimal Range and accuracy and easily Blends into the Interior design of most areas.

Applications

The ECS-O Remote Sensor is a highly reliable low power device designed for ease of deployment and integration with Intuitous HVAC & Lighting controllers, model numbers; ECSC-OLTC and ECSC-OC. Multiple ECS-O Remote Sensors can be chained together and connected to the controller with a single 22-28 gauge 3-conductor interconnect cable.

Intuitous also manufactures wireless energy conservation products. The "Wireless" family of products are best suited for retrofit installation in multi-unit residential properties, hotels and any application where running control wires from the sensors to the controller would prove challenging.

Specifications

Operating Voltage	12.0VDC
Supply Current	4.0mA @ 12VDC
Human presence detection	Dual element pyroelectric
Detection Zones	38
Detection Range	7m diameter
Mounting location	Round ceiling mount enclosure
Operating temperature	-20C ~ 50C (4F ~ 122F)
Dimensions	40mm x 100mm dia.

Other Products in the Intuitous Wired Family

ECSC-OLTC	HVAC & Lighting Controller
ECSC-OC	Lighting Controller
ECA-RT	Relay Transformer
ECA-IKEY	Installer Key

Installer Key

The Occupancy Sensor Installer Key (ECA-IKEY) can be inserted into the side of the sensor to test the detection area and tune the light sensor.

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