



Intuitious Lighting Controller

ECSC-OC

The Intuitious Wired Lighting Controller (ECSC-OC) is an efficient all-in-one solution that incorporates light and occupancy sensors and a microcontroller into a single ceiling mounted enclosure. The controller processes input from the sensors and disables lighting systems to conserve energy. The software application, otherwise known as firmware, is programmed into the controller during the testing process at the Intuitious factory. The software is configured for each zone by a combination of small switches on the controller board that can be configured on-site, thus defining a unique Energy Conservation plan.

The location for the controller in most installations will be on a T-bar ceiling in a central area optimal for human detection. The ECSC-OC provides an ideal “all-in-one” solution for single room zones such as classrooms, boardrooms and hotel rooms. For larger areas and multi-room zones, up to 10 Intuitious Remote Sensors (ECS-O) can be daisy chained to the controller.



Applications

The Intuitious ECSC-OC Wired Lighting Controller can be field wired to control any lighting load either by invoking direct control over existing relays or with the Intuitious Relay/Transformer (ECA-RT). The Intuitious *Wired Products Installation Guide* provides detailed deployment information for various control schemes.

The ECSC-OC can integrate with low voltage lighting loads through a set of SPDT relay contacts. The Intuitious Relay/Transformer (ECA-RT) can switch lighting loads up to 240VAC @ 10A. 347VAC lighting systems and larger loads can be switched using 3rd party relay/transformers.

Intuitious 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.

Other Products in the Intuitious Wired Family

ECSC-OLTC	HVAC & Lighting Controller
ECS-O	Remote Occupancy Sensor
ECA-RT	Relay Transformer
ECA-IKEY	Installer Key

Specifications

Operating Voltage	16-28VAC, 18-32VDC
Supply Current	17.1mA @ 24VDC
Microprocessor speed	4Mhz
Onboard memory	2KB Flash (non-volatile) memory
Relays	(1) - Lighting
Relay Contacts	Dry contacts rated 2.0A @ 30VDC
Programmed Logic 2	Occupancy based control (Lighting)
Human presence detection	Dual element, 38 zones, 7m dia.
Light sensor	Cds photocell
Mounting location	Round ceiling mount enclosure
Operating temperature	-20C ~ 50C (4F ~ 122F)
Dimensions	40mm x 100mm dia.



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.

