

OccupEye®  
User Manual  
Revision 2.0

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## **Introduction**

OccupEye is a wireless workspace utilisation system that enables users to capture and analyse true occupancy data accurate to the second. The OccupEye sensor is an intelligent device and comprises fully integrated passive infra-red sensor, radio transceiver with antenna, microprocessor and data storage memory. OccupEye sensors are lightweight, compact and portable, allowing for flexible deployment in monitoring individual workspace utilisation and/or room utilisation.

OccupEye sensors transmit occupancy data wirelessly to a number of OccupEye hosts, which in turn feed occupancy logs back to OccupEye Interface software and OccupEye Dashboard hosted analytics software. OccupEye Interface software can support up to 511 OccupEye hosts and each OccupEye host can support up to 511 OccupEye sensors.

OccupEye wireless networks can be configured to use a specific radio channel to avoid potential interference from other wireless networks.

## **Installation and Commissioning**

The OccupEye system is professionally installed and commissioned ready for use. The user can recommission the OccupEye system using the OccupEye Interface software.

To commission a new OccupEye sensor run the OccupEye Interface software, select the required OccupEye host and click the [Auto Commission] button. If required, load settings from a file or change the sensor address number in field next to the [Auto Commission] button. Insert batteries into the sensor. When the field changes from red to amber to green the sensor has commissioned successfully on the selected OccupEye host. The sensor address number increments ready for the next sensor. Click the [Auto Commission] button again to finish.

## **Operation**

The OccupEye Interface software manages the OccupEye hosts and OccupEye sensors and captures the transmitted occupancy data into log files. When connected to the internet the log files are forwarded to the OccupEye Dashboard hosted analytics software. The sensor will also store occupancy data in its memory if the OccupEye host network is disconnected or the OccupEye Interface software is not running. The sensor will automatically transmit the contents of its memory when the network is re-connected and the OccupEye Interface software is running thus avoiding intermittent loss of data. Once a sensor has been commissioned it will retain its settings.

## **Disposal and Replacement of Batteries**

Please dispose of, or recycle batteries in accordance with the environmental regulations that are applicable in your location.

The batteries in the OccupEye sensor should be replaced with AA, Alkaline batteries.

## **General Specifications**

### **OccupEye Sensor**

Operating Temperature: 0 to 35 degrees Celsius  
Operating voltage: 3V (2 AA Batteries) or 5V USB

### **OccupEye Host**

Operating Temperature: 0 to 35 degrees Celsius  
Operating voltage: 5V USB  
Operating Current: 0.5 A

## **Support**

For support please email support@occupeye.com

For software and documentation please visit [www.occupeye.com](http://www.occupeye.com)

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## **FCC Warning Statement**

### **FCC ID: 2ARNWOES02 - OccupEye Sensor**

Please note that the OccupEye sensor is a low power device and a SAR exclusion calculation was applied which means the device can operate in close proximity to the user's body.

### **FCC ID: 2ARNWOEH02 - OccupEye Host**

Please note that the OccupEye host is a low power device but it should not be within 20cm of the user's body when switched on.

#### **The following statement applies to both devices**

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## **ISED Warning Statement**

### **IC: 24506-OES02 - OccupEye Sensor**

This device complies with Industry Canada license-exempt RSS standard(s).

Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

### **IC: 24506-OEH02 - OccupEye Host**

This device complies with Industry Canada license-exempt RSS standard(s).

Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

This radio transmitter (IC: 24506-OEH02) has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain and required antenna impedance for each antenna type indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

This device has been designed to operate with the antenna(s) listed below, and having a maximum gain of 1.2 dBi. Antennas not included in this list or having a gain greater than 1.2 dBi are strictly prohibited for use with this device. The required antenna impedance is 50 ohms.

Antennas: ANT-916-CW-HWR-RPS