

## **RT30 OPERATION DESCRIPTION**

### **Detecting Live Circuits (VOLTAGE method)**

The RT30 can be directly clamped on installed building wiring and will detect the voltage applied to the wiring.

1. If the cable is “live” (voltage present), the VOLTAGE/LIGHT amber LED on the transmitter will switch on and the DETECT LED on the receiver will switch on.
2. When the voltage is removed (by opening the splice or the circuit breaker, for example), the Detect LEDs will switch OFF and the detect beeper will switch OFF.

### **Detecting Live Circuits (LIGHTING method)**

In situations where access to circuit wiring is limited, the RT30 can also detect room lighting changes (ON to OFF).

1. Expose the Light Sensor to the light source. The VOLTAGE/LIGHT LED on the transmitter and the DETECT LED on the receiver will switch on
2. When the lights are turned off the VOLTAGE/LIGHT LED on the transmitter and the DETECT LED on the receiver will switch off, indicating the light has been switched off and power has been removed.

## ***Specifications***

|                        | <b>Transmitter Unit</b>  | <b>Receiver Unit</b>             |
|------------------------|--|----------------------------------|
| Indicators             | LED  | Audio Beeper, LED                |
| Transmission Frequency | RT30 (914MHz)<br>RT30-E (869MHz)   | n/a                              |
| Transmission Distance  | Approx. 328' (100m) in an unobstructed field   |                                  |
| Transmission Power     | +10dBm   | n/a                              |
| Alarm Status           | Visual   | Visual and audible               |
| Power Supply           | Two (2) 'AAA' batteries  | Two (2) 'AAA' batteries          |
| Battery Life           | 80 hours (approximately)   |                                  |
| Operating Temperature  | 14 to 122°F (-10 to 50°C)  |                                  |
| Storage Temperature    | -14 to 140°F (-30 to 60°C)   |                                  |
| Operating Humidity     | 90% RH from 32-86°F (-10 to 30°C)<br>75% RH from 86-104°F (30 to 40°C)<br>45% RH from 104-122°F (40 to 50°C) |                                  |
| Storage Humidity       | 90% RH max.  |                                  |
| Dimensions             | 4.0x2.4x1.5" (101x61x38mm)   | 4.5x1.17x 1.02"<br>(114x30x26mm) |
| Weight                 | 8.0 oz.(0.23 kg) – three (3) piece total   |                                  |