Installation Instructions

**IWISE DT With ACT™ & Green Line 10m/15m/25m**

**Dual Technology Wall Mount**

The IWISE DT With ACT™ & Green Line detectors are the ultimate motion detectors for professional installations, incorporating Anti-Cloak™ Technology (ACT™), adhering to near environmentally friendly guidelines and complying with requirements of PD6662, EN50131-1 and TS50131-2-4 Grade 2.

**IWISE DT With ACT™ & Green Line detectors are available in 10m, 15m and 25m models, and include built-in end-of-line (EOL) resistors to simplify installation.**

### Main Features

- **Dual MW & PIR technologies**
- **Green Line** setting - for disabling the MW when the premises are occupied.
- **Anti-Cloak™ Technology (Patent Pending)** for detecting cloaked burglars
- Opto-relays for low current consumption and long life
- Jumper Selectable EOL (End of Line) Resistors
- Remote LEDs disable input
- LED control polarity Jumper
- **30V/m immunity**
- **Anti-fluorescent interference signal processing**
- Flexible installation height up to 2.7 m (8’10”)
- Coverage 10m x 10m (33ft x 33ft) / 15m x 15m (50ft x 50ft) / 25m x 25m (82ft x 82ft)
- Creep Zone
- Cover tamper
- Wall/door or ceiling swivel (optional)
- Wall tamper-proof swivel (optional)
- Corridor and curtain lens (optional)

### Installation Considerations

- **Before installing, study the area to be protected and select the location of the unit for the best possible coverage.**
- **Corner installations are recommended. The Detector should be installed so that the beam patterns are at 45° (optimal) to the intruder’s expected path.**
- **Never install the IWISE in an environment that causes an alarm condition in one technology.**

### Installation/Maintenance

1. **To open the front cover:**
   - Turn the front cover locking screw clockwise.
   - Insert a screwdriver through the dedicated slot/s to open the detector’s front cover.
2. **To loosen the PCB holding screw:**
   - Place the PCB on the right hand side of the PCB and hold the PCB until the screw reaches the widened opening. Lift the PCB up to remove.
3. **Mounting:**
   - The IWISE DT With ACT™ & Green Line can be mounted either on a flat surface or on a wall corner (corner mounting).
   - Using a suitable tool, open the following knockouts on the detector’s base (see Figure 1):
     - A1, A2 and A3: External cables knockouts (open out at least one wiring knockout).
     - A4, A6, A9, A12, and A15: Wall mounting knockouts
     - A5 and A10: Right corner mounting knockouts
     - A11 and A14: Left corner mounting knockouts
4. **To correct vertical adjustment position for wide angle lens:**
   - Use the scale on the bottom left hand side of the PCB as follows:
     - Turn the front cover locking screw counter-clockwise.
     - Insert a screwdriver through the dedicated slot/s to open the detector’s front cover.
5. **Fine tuning of the protected area:**
   - Slide the board upwards to lower the beams and increase the range.
   - When completed, fasten the screw to secure the PCB in the desired position.
6. **To install the front cover back to its place:**
   - Fasten the screw to secure the PCB in the desired position.
7. **To change lenses:**
   - A lens is attached to the inside of the front plastic cover and can be changed using a screwdriver (see Figure 3).
   - Place the holes on either side of the lens into their matching holding pins located on the inside of the lens.
   - Insert the protective sleeve back into place on the front cover facing upwards.
8. **To change lenses:**
   - A lens is attached to the inside of the front plastic cover and can be changed using a screwdriver (see Figure 3).
   - Place the holes on either side of the lens into their matching holding pins located on the inside of the lens.
   - Insert the protective sleeve back into place on the front cover facing upwards.

### Terminal Description

<table>
<thead>
<tr>
<th>Terminal</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>T3 +</td>
<td>+12VDC Power</td>
</tr>
<tr>
<td>T3 -</td>
<td>-12VDC Power</td>
</tr>
<tr>
<td>ALARSE</td>
<td>+NC Relay</td>
</tr>
<tr>
<td>TAMP</td>
<td>N.C. Tamper Switch</td>
</tr>
<tr>
<td>LED</td>
<td>Tamper LED (Red or Green)</td>
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</tbody>
</table>

**When an **“Activation Signal” is applied to the LED input terminal, all LEDs will be enabled.**

**LEDs are enabled if nothing is connected (unless LED jumper is OFF) or 0V/12V is applied according to the LED Input Jumper position, 12V or 0V.**

**0V is applied and LED Input Jumper is on 0V position.**

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**Figure 1. Back Cover – Knockouts**

**Figure 2. PCB**

**Figure 3. Lens Replacement**

**Figure 4. IWISE DT With ACT™ & Green Line 10m/15m/25m Long and Microwave Range**

**Figure 5. MW Range Adjustment**

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**IWISE DT With ACT™ & Green Line 10m/15m/25m - Installation Instructions**
**Technical Specification**

**Part Number**
- RK810DTGL00A iWISE DT 10m ACT & Green Line 10.525 GHz
- RK810DTGLFRA iWISE DT 10m ACT & Green Line 9.9 GHz
- RK815DTGL00A iWISE DT 15m ACT & Green Line 9.9 GHz

**Description**
- Current consumption: 14mA at 12VDC (Typical) 48.5mA at 12VDC (Max.)
- Tamper contacts: 24VDC, 0.1A
- Storage temperature: -20ºC to 60ºC (-4ºF to 140ºF)
- Physical: 127 x 84.2 x 46.6 mm (5 x 2.5 x 1.84 in)
- Weight: 120 gr. (4.2 oz)

**RTTE Compliance Statement**

Hereby, RISCO Group, declares that this equipment is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. PD6662, EN50131-1, TS50131-2-4: Grade 2, Class II

**RISCO Group Warranty**

RISCO Group and its subsidiaries and affiliates (“Seller”) warrants its products to be free from defects in materials and workmanship under normal use for 12 months from the date of production. Because Seller does not install or connect the product and because the product may be used in conjunction with products not produced by the Seller, Seller cannot guarantee the performance of the security system which uses this product. Seller’s obligation and liability under this warranty is expressly limited to repairing and replacing, at Seller’s option, within a reasonable time after the date of delivery, any product not meeting the specifications. Seller makes no other warranty, expressed or implied, and makes no warranty of merchantability or of fitness for any particular purpose. In no case shall Seller be liable for any consequential or incidental damages for breach of this or any other warranty, expressed or implied, or upon any other basis of liability whatsoever. Seller’s obligation under this warranty shall not include any transportation charges or costs of installation or any liability for direct, indirect, or consequential damages or delays.

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**Ordering Information**

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**Walk Test**

1. Two minutes after applying power (warm-up period), walk lost the Detector over the entire protected area to verify proper operation of the unit.
2. The MW range can be adjusted by using the potentiometer located on the PCB. It is important to set the potentiometer to the lowest possible setting that will still provide enough coverage by the entire protected area.

**Alarm LED Display**

- **Yellow Flashing**
  - Tamper in MW channel

**Accessories**

- **EOL (J9)**
  - J9 and J10 allow the selection of Tamper and Alarm resistance (1K, 2.2K, 4.7K, 5.6K, and 6.8K) according to the control panel (see Figure 6 below). Follow the terminal block connection diagram in Figure 6 when connecting the detector to a Double End Of Line (DEOL) Zone.

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