

# Occupancy sensors technical overview

| Ceiling Mounted Passive Infra Red Sensors (PIR) |  |  |  |                      |   |  |
|---|--|--|--|----------------------|---|--|
| Product Code                                    | CCT551023  | CCT551011                              | CCT551012                              | CCT570005            | E751  |  |
| Product Description                             | High-bay High Frequency Sensor   | Dual Tech Sensor - 1ch                 | Dual Tech Sensor - 2ch                 | Mini Movement Sensor | Infrascan single-load 120° PIR sensor                       |  |
| Operating voltage                               | 220 - 250V 50/60Hz   | 220-250V 50/60Hz                       | 220-250V 50/60Hz                       | 220-250V             | 200-265V 50Hz   |  |
| Field of view                                   | 360 °  | 360 °                                  | 360°                                   | 360°                 | 120°  |  |
| Range   | 14mx5m at 10m height   | 10mx16m at 2.5m height                 | 10mx16m at 2.5m height                 | 6m at 2.5m height    | 6m x 6m, 8.5m from sensor head. Head rotatable through 120° |  |
| Mounting  | Ceiling (surface)  | Ceiling (surface)                      | Ceiling (surface)                      | Ceiling (surface)    | Ceiling (surface)   |  |
| Single or Dual Load:                            | Dual   | Dual                                   | Single                                 | Single               | Single  |  |
| IR Remote Control*                              | CCT556023  | CCT556011                              | CCT556011                              | X                    | X   |  |
| Incandescent                                    | 2000W  | 2000W                                  | 2300W                                  | 1000W                | 2A  |  |
| halogen lamps 230V                              | 1000W  | 1000W                                  | 1200W                                  | 800W                 | 2A  |  |
| halogen w. Electronic transformer               | 1000VA   | 1000VA                                 | 1200VA                                 | 315VA                | 2A (iron core transformer only)                             |  |
| Fluorescent tubes                               | 900VA  | 900VA/100 µF                           | 1200VA/140µF                           | 250VA                | X   |  |
| Energy Saving lamps                             | 600VA  | 600VA                                  | 600VA                                  | X                    | X   |  |
| IP class  | IP52, IP40   | IP20                                   | IP20                                   | IP20                 | IP44  |  |
| Time setting                                    | Time 1 (for lighting): Adjustable from approx. 10sec to 30 min.<br>Time 2 (for HVAC): Adjustable from approx. 10sec to 60min | Aadjustable from approx. 5sec to 30min | Aadjustable from approx. 5sec to 30min | 29 sec to 30 mins    | 5 sec to 20 min (user adjustable)                           |  |
| Test Mode                                       | X  | X                                      | X                                      | X                    | Yes   |  |
| Lux setting                                     | 10 - 2000 Lux  | 10-1000 Lux                            | 10-2000 Lux                            | 5-1000 Lux           | Continuous from 1 Lux to full sunlight                      |  |
| Operating temp range                            | 0 °C to +45 °C   | 0 °C to +45 °C                         | 0 °C to +45 °C                         | X                    | 0°C to +40°C  |  |
| Connection                                      | X  | X                                      | X                                      | 3-wires              | 2 wires   |  |
| Parallel connection of detectors                | X  | X                                      | X                                      | X                    | No  |  |
| Switching modes                                 | X  | X                                      | X                                      | X                    | Auto mode, manual override                                  |  |
| Product Dimensions                              | X  | X                                      | X                                      | X                    | Ø 100 x 57mm(H)   |  |

# Occupancy sensors technical overview

|   | Wall Mounted  |   |  | Outdoor (wall mounted)  |  |                                  |  |
|---|---|---|--|---|--|----------------------------------|--|
| E751R   | GUPA1411BSS   | GUP1411BSS                                  | E750WPRGY                              | CCT56P004   | CCT56P008  | MTN564419                        |  |
| Infrascan Single-load 120° PIR sensor                       | Ultimate Screwless 90° PIR plate switch - with override | Ultimate Screwless 90° PIR plate switch     | Infrascan single-load 110° PIR sensor  | Single-load 120° PIR sensor   | Single-load 360° PIR sensor  | <b>360 Degree Outdoor sensor</b> |  |
| 200-265V 50Hz   | 230V 50Hz   | 230V 50Hz                                   | 200-265V 50Hz                          | 220-240V 50Hz   | 220-240V 50Hz  | 230V 50Hz                        |  |
| 120°  | 90°   | 90°   | 110°                                   | 120°  | 360°   | 360°                             |  |
| 6m x 6m, 8.5m from sensor head. Head rotatable through 120° | 5m at 1.2m height                                       | 5m at 1.2m height                           | 18m at 2.4m height                     | 12m (forward)   | 12m  | 10mx7m at 2.5m height            |  |
| Ceiling (surface)   | Wall (flush)  | Wall (flush)                                | Wall or ceiling (surface)              | Wall or ceiling (surface)   | Wall or ceiling (surface)  | Wall or ceiling (surface)        |  |
| Single  | Single  | Single                                      | Single                                 | Single  | Single   | Single                           |  |
| X   | X   | X   | X                                      | X   | X  | X                                |  |
| 10A   | 150W  | 150W  | 10A                                    | 1000W   | 1000W  | X                                |  |
| 10A   | 150W  | 150W  | 10A                                    | 900W  | 800W   | X                                |  |
| 10A   | 150VA   | 150VA                                       | 10A                                    | 250VA   | 315VA  | X                                |  |
| 10A   | X   | X   | 10A                                    | 200VA   | 250VA  | X                                |  |
| 500W  | X   | X   | 500W                                   | 4 x 23W   | 4 x 23W  | X                                |  |
| IP44  | X   | X   | IP66                                   | IP55  | IP55   | IP55                             |  |
| 5 sec to 20 min (user adjustable)                           | 15 sec – 30 min (through 7 time increments)             | 15 sec – 30 min (through 7 time increments) | 5 sec to 20 min (user adjustable)      | Approx 3 sec – 3 min, lower tolerance 2 – 6s  | Approx 5 sec – 20 min, lower tolerance 2 – 8s  | X                                |  |
| Yes   | No  | No  | Yes                                    | Yes   | Yes  | X                                |  |
| Continuous from 1 Lux to full sunlight                      | 10 - 2000 Lux   | 10 - 2000 Lux                               | Continuous from 1 Lux to full sunlight | 5 – 2000 Lux  | 5 – 2000 Lux   | 5-1000 Lux                       |  |
| 0°C to +40°C  | +5°C to +25°C   | +5°C to +25°C                               | 0°C to +50°C                           | -15°C to +40°C  | -15°C to +40°C   | -20 °C to +25 °C                 |  |
| 3-wires   | 2 wires   | 2 wires                                     | 3-wires                                | 3-wires   | 3-wires  | X                                |  |
| Yes   | Yes   | Yes   | Yes                                    | Yes   | Yes  | X                                |  |
| Auto mode, manual override                                  | Auto mode, manual override                              | X   | Auto mode, manual override             | Auto mode, manual override  | Auto mode, manual override   | X                                |  |
| Ø 100 x 57mm(H)   | 88 x 88mm   | 88 x 88mm                                   | Mounting centres 84mm                  | With corner bracket 164mm (L) x 80mm (W) x 75mm (H) without corner brackets 140mm (L) x 80mm (W) x 75mm (H) | With corner bracket 170mm (L) x 88mm (W) x 76mm (H) without corner bracket 142.5mm (L) x 88mm (W) x 76mm (H) | X                                |  |