

## TWD-1950

### Wireless Multi Detector

TWD-1950 Wireless Multi Detector offers excellent wireless solutions with wide coverage range and long-term battery life, especially in places where wiring is costly or impossible. The wireless multi detector offers different types of detection options in a single detector. In this way, the confusion caused by using detectors with different product codes in projects is prevented, and different types of detection needs are provided with software settings to be made in a single detector.



### General Features

- Low Power, Two-Way Safe and Stable Wireless Communication Protocol (TLPWAN)
- EN 54-5, EN 54-7 and EN 54-25 Certified
- Bi-directional Wireless Communication
- Approx. 1250m Wireless Coverage (Open Air)
- Up to 8 Years Battery Lifetime with 2 x CR123A Battery
- Adaptive Power Management Algorithm for Ultra Low Power
- Different Type of Detection in a Single Detector:
  - o Only Optical Smoke
  - o Only Fixed Heat
  - o Only Heat Rise
  - o Smoke and/or Fixed Heat
  - o Smoke and/or Heat Rise
- Special software algorithms to eliminate false alarms
- Easy to Clean Smoke Chamber
- Pollution Algorithm and Warning
- Low Battery and Tamper Warning

EN 54-5

EN 54-7

EN 54-25

### Technical Specifications

|                                          | <b>TWD-1950</b>                                                                       |
|------------------------------------------|---------------------------------------------------------------------------------------|
| Standards                                | EN 54-5, EN 54-7 and EN 54-25                                                         |
| Operating Frequency                      | 868MHz                                                                                |
| Radiated Power                           | Max. 14dBm (25mW)                                                                     |
| Number of Channel                        | 10                                                                                    |
| Coverage                                 | Approx. 1250m (Open Air)<br>(Varies in Indoor Settings; Depends on Installation)      |
| Battery                                  | Up to 8 Years Battery Lifetime With 2 x CR123A Battery                                |
| Detection Types                          | Smoke<br>Fixed Heat<br>Heat Rise<br>Smoke and/or Fixed Heat<br>Smoke and/or Heat Rise |
| Smoke Detection Level                    | H:0,12 – m:0,15 – I:0,18dB/m                                                          |
| Heat Detection                           | A2S, A2R                                                                              |
| Protection Class                         | IP30                                                                                  |
| Humidity                                 | 95% RH (max.)                                                                         |
| Operating Temperature                    | -10°C ~ 55°C                                                                          |
| Weight (Base Included and Base Excluded) | 183gr / 125gr                                                                         |
| Dimensions (mm)                          | Ø109,6 - h48,1mm                                                                      |
| Material                                 | White, ABS Plastic                                                                    |