



## Industrial detectors

### Optical detection - UniVario UV flame detector

#### FMX5000 UV



#### Part no.: 904702

UV flame detector for the detection of typical fires. Including UV optic test monitoring all functional characteristics of detector. Designed for use in rough industrial environments and for operation as a conventional detector. Expansion to a detector with Loop AP protocol via KMX5000 AP communication module.

#### Product features

- High degree of immunity against false alarms, such as storm, lightning or strong sunlight
- A microcontroller monitors the functionality and analyses the recorded data. Faults can be indicated on the detector or on a separate line
- Service interface, history memory
- Connection of remote indicator possible

#### Technical specifications

|                             |                                               |
|-----------------------------|-----------------------------------------------|
| Detection method            | UV sensor                                     |
| Sensitivity class           | 1                                             |
| Viewing angle               | 90 °                                          |
| Operating voltage           | 7.6 V - 30 V DC                               |
| Quiescent current           | approx. 0.25 mA                               |
| Alarm current               | approx. 15 mA                                 |
| Alarm indication            | 1 red LED                                     |
| Normal operation indication | 1 green LED, flashing                         |
| Fault indication current    | approx. 15 mA                                 |
| Fault indication            | 1 yellow LED                                  |
| Operating temperature       | -40 °C to +80 °C<br>(-40 °F to +176 °F)       |
| IP rating (EN 60529)        | IP 66/67                                      |
| Enclosure material          | Diecast aluminum                              |
| Relative humidity           | max. 95%<br>no condensation                   |
| Specification according to  | EN 54-10                                      |
| Weight                      | 820 g (1.8 lbs)                               |
| Dimensions                  | 100 x 50 mm (dia.xH)<br>3.9 x 2 inch (dia.xH) |

#### Optional accessories

|                                    |        |
|------------------------------------|--------|
| Remote indicator                   | 908499 |
| Weather protection MX5000 complete | 910134 |
| KMX5000 AP communication module    | 905883 |
| Relay module KMX5000 RK            | 906361 |

#### Not included in delivery

|                                    |        |
|------------------------------------|--------|
| UniVario base                      |        |
| Bracket MX5000                     | 904757 |
| Bracket MX5000 SF                  | 914234 |
| Terminating resistor 1.8 K / 0.5 W | 675235 |

#### Spare part

|              |        |
|--------------|--------|
| Basket guard | 904284 |
|--------------|--------|

#### Connection / mounting

|                                    |                                   |
|------------------------------------|-----------------------------------|
| Connection cable standard detector | 2-wire                            |
| Additional fault line connection   | 2-wire                            |
| External indication                | 2-wire                            |
| Recommended cable                  | JY (St) Y 2x2x0.8 mm (0.03 inch)  |
| Conductor cross-section            | max. 2.5 mm <sup>2</sup> (AWG 13) |

| Brand   | Designation                      | Order no. | Approvals / marking                                                                                                                                                                                                                                                                                                                                                           |
|---------|----------------------------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Minimax | FMX5000 UV MX                    | 926628    |  G 206132  0786-CPR-20286   |
|         | FMX5000 UV MX SF (silicone-free) | 926629    |                                                                                                                                                                                                                                                                                                                                                                               |
| Viking  | FMX5000 UV VK                    | 926630    |  G221017  0786-CPR-20286    |
|         | FMX5000 UV VK SF (silicone-free) | 926631    |                                                                                                                                                                                                                                                                                                                                                                               |

Trusted above all.