



G015454

# Loop M X

Part no. 5100025, 5100026

System: TERRA FIRE

## General Description

Loop M X enables the connection of one addressable detector loop.

For details on assembling a system and definitions of common system terms, refer to the Installation Manual.

### About the datasheet

This datasheet contains product information for the following parts of the Loop M X unit:




G015453

| Item | Part name  |
|------|------------|
| 1    | PCB module |
| 2    | Housing    |

## Data

|                              |                       |
|------------------------------|-----------------------|
| Operating voltage range      | 19-30 VDC             |
| Voltage range loop           | 29-38 VDC             |
| Current consumption (at 24V) | 55 mA                 |
| Max. output current          | 500 mA (< 15 minutes) |
| Continuous output current    | 250 mA                |
| Max no. of loop units        | 254                   |

|                             |   |
|-----------------------------|---|
| Cable terminals             | 2.5 mm <sup>2</sup>   |
| Operating temperature range | -5°C to +55°C   |
| Weight (with housing)       | 135g ±5%  |
| Certified according to      | <br>2531-CPR-232.1686<br>DOP no. 6301900 |

### Parts:

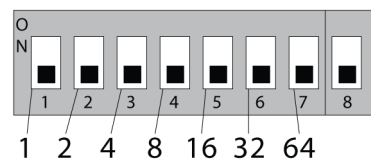
| Item  | Part name                                | Part no.    |
|-------|--|-------------|
| 1 & 2 | Loop M X module (fully assembled)        | 5100026-03A |
| 1 + 2 | Loop M X module (delivered as two parts) | 5100026-01A |
| 1     | Spare part: PCB module                   | 5100025-04A |
| 2     | Spare part: Housing                      | 5100102-01  |

## Settings

The module is identified by a physical address on the Backbone Bus. The address is set with an 8-pole DIP switch.

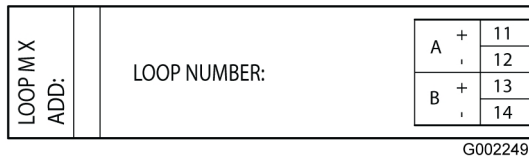
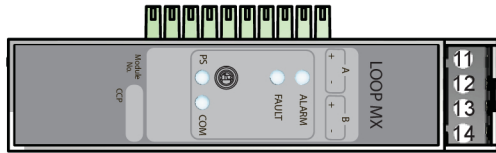
## Address switch

The DIP switch value follows the binary system. The address no. can be set from 1 to 126 using DIP-switch poles 1 to 7.



G000668

## Connections



## Indicators

Loop M X indicators display output and alarm status.



**NOTE!**

If all LED's are flashing the DIP switches are set to zero or all are set to ON.  
Please set the correct address.

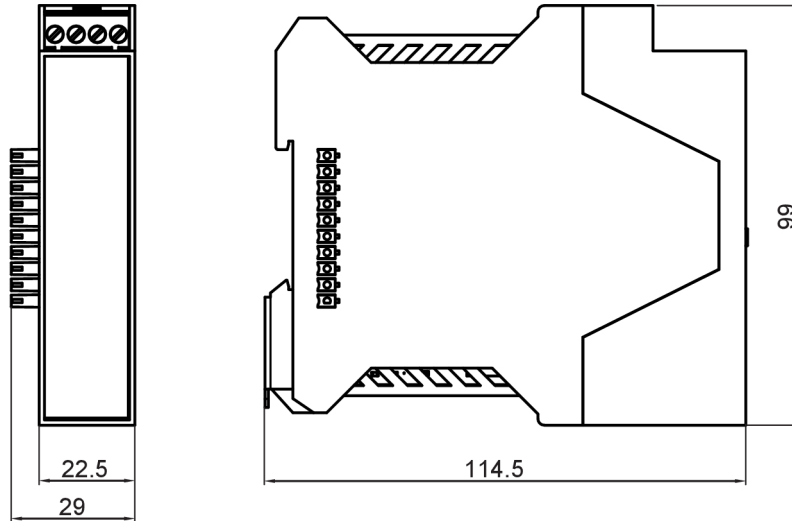
In order to decrease current consumption on the loop the number of detectors with steady light LEDs are restricted to four:

If more than four detectors on the loop detects fire, only the first four detectors will indicate fire with steady light LEDs and the rest will indicate fire with blinking LEDs.

The Loop M X module remembers in which order the detectors detected fire, so if a fire alarm in a detector is reset the next detector that detected fire will switch from blinking light to steady light.

| Front label            | Indicator                   | Colour; pattern                               | Module status                        |
|------------------------|-----------------------------|---|--------------------------------------|
| <p>G000751</p>         | ALARM                       | Red, steady                                   | One or more alarms are present       |
|                        |                             | Red, flashing                                 | Pre-alarm                            |
|                        |                             | None  | There are no alarms                  |
|                        | FAULT                       | Yellow, steady                                | One or more faults are present       |
|                        |                             | Yellow, flashing                              | Booting or Rescan                    |
|                        |                             | None  | There are no faults                  |
|                        | PS<br>(Power Supply)        | Green   | OK                                   |
|                        |                             | Yellow, steady                                | Power Fault                          |
|                        |                             | Yellow, flashing:<br>0,5 sec On, 0,5 sec Off. | Boot loader mode                     |
|                        |                             | Yellow, flashing:<br>1 sec On, 0,5 sec Off.   | Safe State                           |
|                        | COM<br>(Communication)      | Green, steady                                 | OK                                   |
|                        |                             | Green, flashing                               | Unconfigured (Communication working) |
|                        |                             | Yellow, steady                                | Faulty communication                 |
|                        |                             | Yellow, flashing                              | Major fault                          |
|                        |                             | None  | No communication                     |
|                        | PS + COM<br>(both flashing) | PS<br>Yellow, flashing                        | Transferring software                |
| COM<br>Green, flashing |                             |   |                                      |

## Dimensions (mm)



G000253

## Mounting

Mount the module on a horizontal 35 mm DIN rail.