

## Addressable manual alarm call point



Addressable resettable call point, for manual fire alarm signaling. Manual operation, Type A (direct).  
Module operating statuses can be used as operands in formulas. RSC® management: programming, remote management and control. Loop connection. Dual short-circuit isolator. Installation method: with piping in visible execution with pipe box, with piping in sub-track execution, on flush box 502, or, on flush box 503 with optional base TFCP-FRAME.  
Supplied accessories: tube box, opening key and reset button. Indoor use. Protection rating IP44. Polycarbonate casing V0. Red colour. Dimensions (L x H x D) 93 x 88 x 41mm. With the tube box the dimension D becomes 76mm.  
Approved EN 54-11:2001+A1:2005 - EN 54-17:2005. Certification 1293-CPR-0662.

| MODEL |          |  |  |  |  |  |  |  |
|-------|----------|--|--|--|--|--|--|--|
| Name  | Item no. |  |  |  |  |  |  |  |
| TFCP  | TF5TFCP  |  |  |  |  |  |  |  |

### OBLIGATIONS AND NOTICES

The TFCP button can only be used when connected to a compatible Tecnofire control unit detection loop. In the planning and installation phases, the regulations in force must be observed and applied.

### ADDRESSING

The physical address which identifies the button is set using two decimal rotary switches located inside the enclosure, under the actuation surface.  
The two switches enable to set the two digits which make up the physical address number of the device.  
The switches are marked by writings which define the position of the digit to set: X10 for tens and X1 for units.  
The numeric range of the allowed addresses for the button modules is 01 to 99.  
Note: setting the address 00 excludes the button from operation, yet it draws power from the loop.

|  |                                                               |                           |
|--|---------------------------------------------------------------|---------------------------|
|  | Alarm call point<br>1 logic unit<br><br>Physical address = XX | ← X Units<br>← X Tens<br> |
|--|---------------------------------------------------------------|---------------------------|

### SHORT-CIRCUIT ISOLATOR

The button is equipped with a line separator with double insulator. In the event of a short circuit of the Loop line, the separator intervenes by isolating the section of line affected by the fault, thus safeguarding the correct functioning of the devices connected upstream and downstream.  
The intervention of the line separator preserves the smooth operation of the loop and generates the failure signal "Separator open".

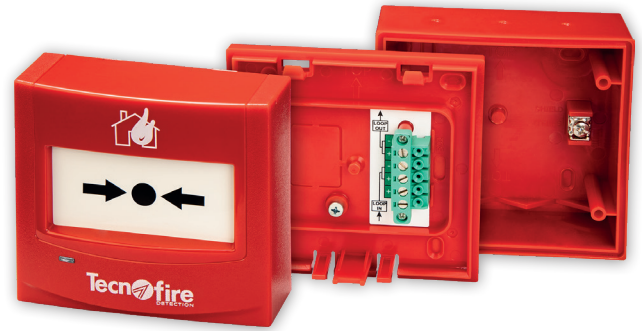


## EQUIPMENT AND ACCESSORIES

The call point is supplied with a standard base and a pipe box. The equipment allows the call point to be installed with exposed piping via the pipe box, or in residential environments with piping in sub-track execution, the call point can be installed on a 502 flush-mounting box.

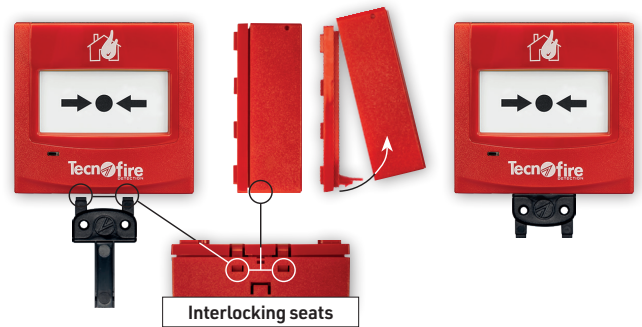
To protect the button from vandalism and accidental impacts, the optional transparent TFCP-COP anti-vandal cover is available.

A clamp can be attached to the protective door to seal its opening.



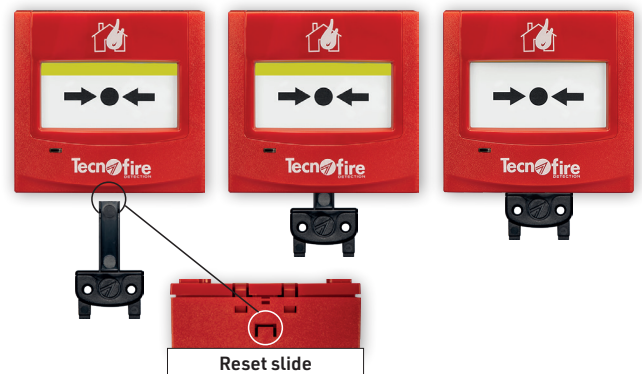
## OPENING THE CASING

To open the button, it is necessary to use the opening and reset key supplied. Position the key at the interlocking seats, push upwards until the button releases, then turn and lift the button upwards until it separates from the base.



## RESETTING THE CALL POINT

To reset the call point, inserted the reset key must be into the reset slide and pushed all the way in. During installation, it is possible to choose the reset mode of the pushbutton, if the key insertion locking tab has been cut, the user can reset the call point, if, on the other hand, the locking tab has not been cut, insertion of the reset key is blocked, in this case the reset can only be carried out by qualified technical personnel authorised to open the call point to carry out the reset.



## DIAGNOSTIC FUNCTIONS

Tecnofire control units manage a series of specialised diagnostic functions for each type of device. The diagnostic functions available for the addressed button allow you to:

- Physically identify the module.
- Identify the device type.
- Identify the HW and FW version.
- Detect electrical operating data.
- Read statistics from the communication monitor.

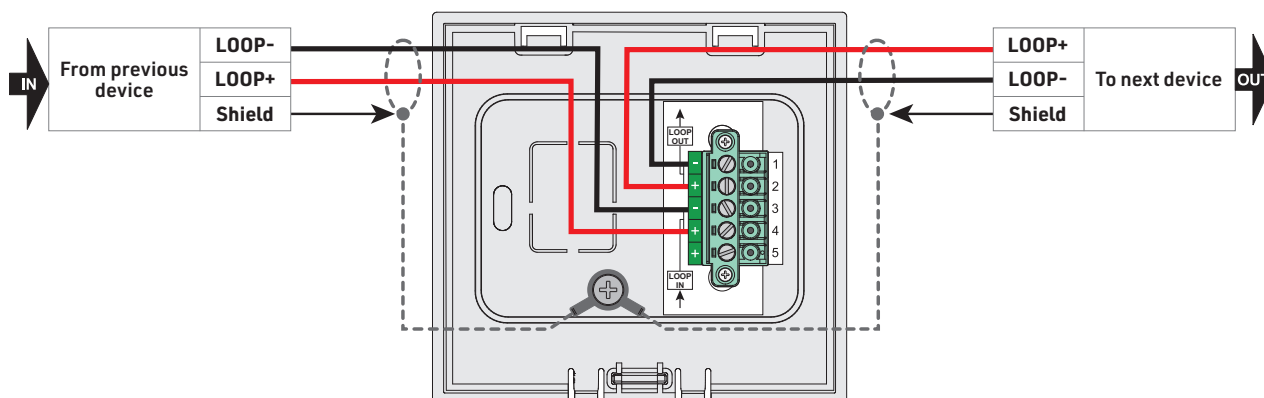
| DIAGNOSTIC FUNCTIONS OF THE MODULE TECNO-call point |                                                       |
|-----------------------------------------------------|-------------------------------------------------------|
| Identification                                      | Turns on the Led of the device for its identification |
| Self declaration                                    | Self declaration of the module type                   |
| HW release                                          | Self declaration of the hardware version              |
| FW release                                          | Self declaration of the firmware version              |
| Level reading                                       | Measurement of the electric values of operation       |
| Statistic                                           | Statistic/functional values related to communication  |

|                    |                       |
|--------------------|-----------------------|
| Consumption        | Strings sent          |
| Power supply level | Errors                |
| Zero level         | Percentage of success |
| Consumption level  | Percentage of errors  |
| Loop resistance    | Latency               |

|                           |                    |          |
|---------------------------|--------------------|----------|
| 31/01/2024                | Access level 3     | 08:00:00 |
| Menu Test module 3 Loop 1 |                    |          |
| Identification            | TECNO - call point |          |
| Self declaration          | 0.1                |          |
| HW release                | 3.1                |          |
| FW release                |                    |          |
| Level reading             |                    |          |
| Statistic                 |                    |          |

|                                |                |          |
|--------------------------------|----------------|----------|
| 31/01/2024                     | Access level 3 | 08:00:00 |
| Level analysis Loop 3 Module 1 |                |          |
| Consumption                    | 51 mA          |          |
| Power supply level             | 26.44 V        |          |
| Zero level                     | 0.51 V         |          |
| Consumption level              | 5.49 V         |          |
| Loop resistance                | <1.00 Ohm      |          |
| active                         |                |          |

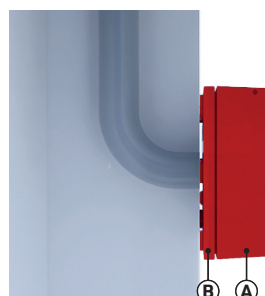
## CONNECTION TO THE LOOP



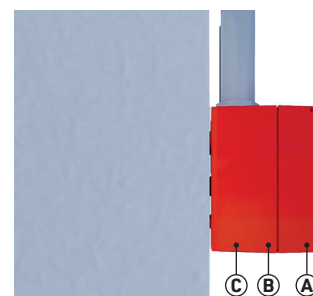
| TERMINALS |       |                                         |
|-----------|-------|-----------------------------------------|
| 1         | LOOP- | Negative power Loop output              |
| 2         | LOOP+ | Positive power Loop output              |
| 3         | LOOP- | Negative power Loop input               |
| 4         | LOOP+ | Positive power Loop input               |
| 5         | LOOP+ | Positive power Loop input (no isolator) |

## INSTALLATION

In installations with flush-mounting pipes, fix the base with the terminal box directly to the wall and mount the push button on it. In installations with surface-mounting pipes, fix the pipe box to the wall and mount the base with the terminal board and pushbutton on it.

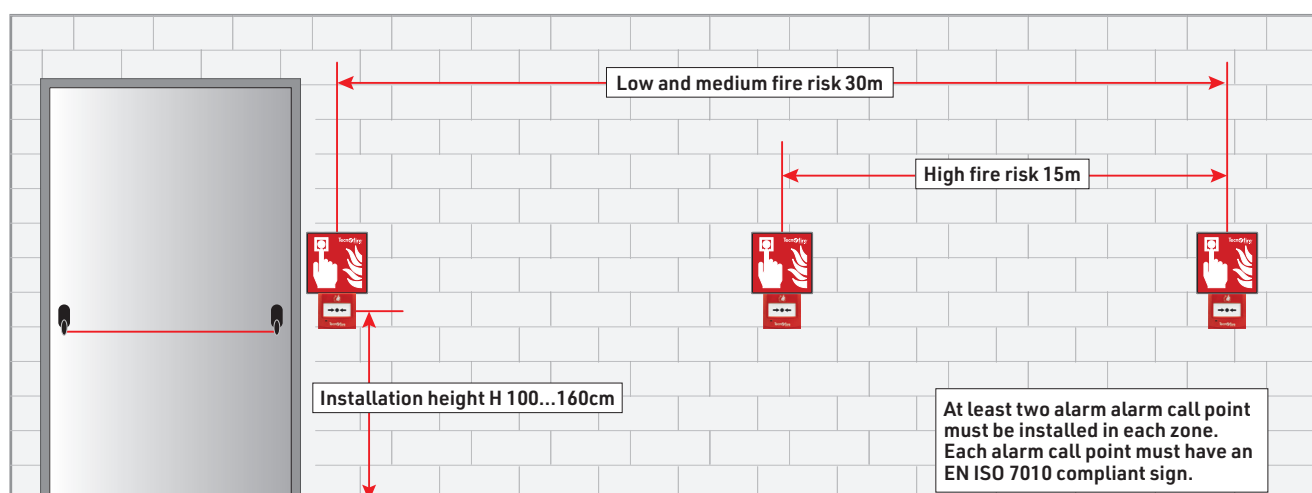


Installation with  
flush-mounting pipes



Installation with  
surface-mounting pipes

## TYPICAL INSTALLATION



## Accessories

|                                                                                   |                                                                                                                                                                |                                                                                    |                                                                                                                                                                               |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>TFCP-COP</b><br>Transparent anti-vandal cover with anti-opening clamp, for TFCP-C and TFCP IP55 series call points. Pack: 10 pieces.<br>Item no. TF5TFCOPCP |   | <b>TFCP-KEY</b><br>Opening and reset key for TFCP-C and TFCP IP55 series call points. Pack: 10 pieces.<br>Item no. TF5TFKEYCP                                                 |
|  | <b>TFCP-FRAME</b><br>Adapter for mounting TFCP-C series call points on 503 flush box. Pack: 5 pieces.<br>Item no. TF5TFCPFRAME                                 |  | <b>TFCP-PLEXI</b><br>Plexiglass location sign, with push-button lock, reversible position. Conforms to UNI EN ISO 7010. Dimensions (L x H) 153 x 153mm.<br>Item no. TF5TFCPPX |

## MOUNTING MODE



Exposed with  
or without tube box



With TFCP-FRAME  
adapter on 502 / 503 box



With TFCP-PLEXI sign

## Technical and functional specifications

|                           |                                     |                       |                         |                                        |                                        |
|---------------------------|-------------------------------------|-----------------------|-------------------------|----------------------------------------|----------------------------------------|
| General information       | Addressable manual alarm call point | TFCP                  | Physical specifications | Operating temperature                  | -15°C...+70°C                          |
|                           | Function                            | Fire alarm activation |                         | Relative humidity (non-condensing)     | 10%...93%                              |
|                           | Actuation                           | Type A direct         |                         | Protection class                       | IP44 (EN 60529)                        |
| Loop interface            | Addressable module                  | Connection over loop  |                         | Casing                                 | PC                                     |
|                           | Addressing                          | 2 rotary switch       |                         | Dimension without tube box (L x H x D) | 93 x 88 x 41mm                         |
|                           | Communication protocol              | FIRE-SPEED            |                         | Dimension with tube box (L x H x D)    | 93 x 88 x 76mm                         |
|                           | Loop isolator                       | Double insulator      |                         | Color                                  | Red                                    |
|                           | Polling frequency                   | Programmable          | Weight                  | 290g                                   |                                        |
|                           | Polling signaling Led               | Excludable            |                         |                                        |                                        |
| Electrical specifications | Nominal voltage                     | 24V DC                | Conformity              | Standards                              | EN 54-11:2001+A1:2005<br>EN 54-17:2005 |
|                           | Operating voltage                   | 18V...30V DC          |                         | System compatibility                   | UNI EN 54-13:2020                      |
|                           | Consumption                         | 500µA @ 24V DC        |                         | Certification number                   | 1293-CPR-0662                          |
|                           | Consumption in alarm                | 1,6mA @ 24V DC        |                         | Year of CE marking                     | 19                                     |
| Programmable functions    | Functioning criterions              | 5 modes               |                         | Number of declaration of performance   | 024_TFCP                               |
|                           | Evacuation signalling               | Associable            |                         | Notified body                          | EVPU                                   |

N.B. Declarations of conformity and performance are available on [www.tecnofire.com](http://www.tecnofire.com)



EVPU  
Tested



**Tecnofire**  
DETECTION  
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The product features can be subject to change without notice.