

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 1 logic unit Physical address = XX	← X Units ← X Tens
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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".

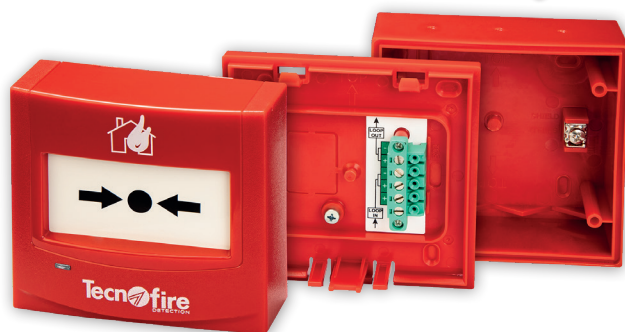


EQUIPMENT AND ACCESSORIES

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.

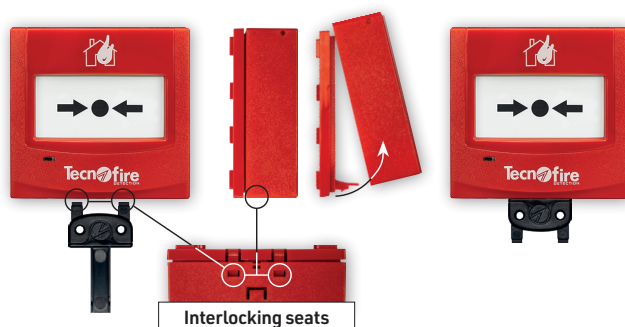
To protect the button from vandalism and accidental impacts, the optional transparent TFCP-COP anti-vandal cover is available.

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



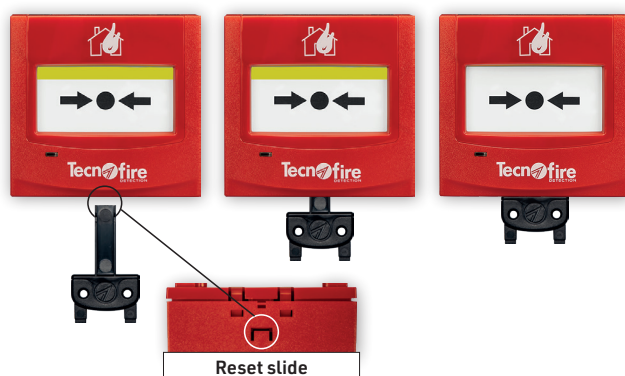
OPENING THE CASING

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.

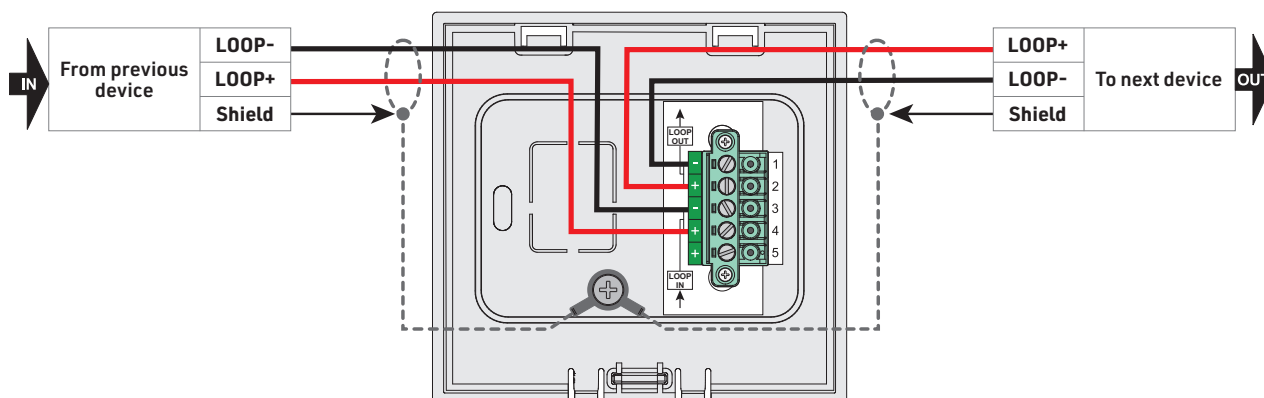
31/01/2024	Access level 3	08:00:00
Menu Test module 3 Loop 1		
Identification	TECNO - call point	
Self declaration	0.1	
HW release	3.1	
FW release		
Level reading		
Statistic		

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
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		

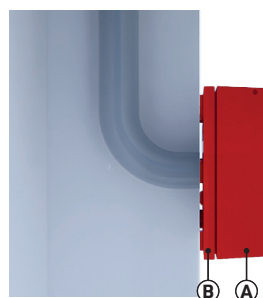
CONNECTION TO THE LOOP



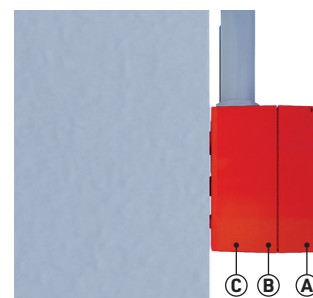
TERMINALS		
1	LOOP-	Negative power Loop output
2	LOOP+	Positive power Loop output
3	LOOP-	Negative power Loop input
4	LOOP+	Positive power Loop input
5	LOOP+	Positive power Loop input (no isolator)

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.

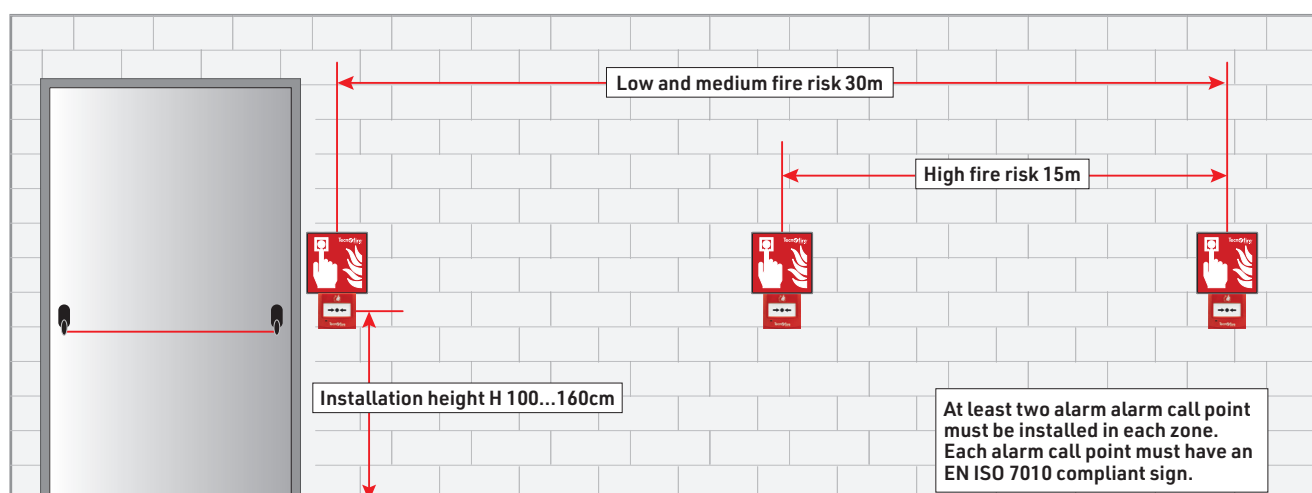


Installation with
flush-mounting pipes



Installation with
surface-mounting pipes

TYPICAL INSTALLATION



Accessories

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



EVPU
Tested



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