



Description

Teledata One is a microprocessor fire control panel that allows fire detection by means of cabled or wireless devices, and it can be programmed and consulted from a touchscreen display.

Main features

Multiprotocol control panel, with its minimal set-up it is able to manage open or closed loops of 240 compatible devices. Basic configuration can be expanded adding two loops each time to control up to 2160 devices, both optical and thermal, from a single control panel. In complex applications, it can be installed in a ring network (up to 32 control panels). In this distributed architecture, areas and zones can be monitored by detectors and they can be combined by means of logical expressions in order to trigger events for the panel to which they belong or for other panels of the ring network. With the installation of dedicated cards, it is also possible to connect the control panel to external peripheral, such as keyboards and LED panels.

Certified UNI EN 54-2 e 54-4 for fire detection and report, this control panel provides three different access levels according to the user (installer, safety responsible and final user). The touch interface, simple and ergonomic, permits to any user to interact intuitively without training time and costs. The configuration procedure is immediate, auto-programming and auto-addressing mechanisms allow to recognize, consult and program the devices on the field in a fast, systematic and correct way.

The control panel can be programmed locally or from remote, by means of the dedicated online platform OneCloud, data can be exported and imported with any USB key. Monitoring is made possible thanks to WINWATCH32 supervision system.

Detectors and devices diagnostics are carried on directly from the control panel, and a single operator is able to perform autonomously all the test procedures, and to check implant operativity of all its components. Regular maintenance interventions can be optimally planned and executed. Diagnostic data and historical data stored by the control panel can be easily exported and analyzed.

Control panel can be customized for any installation condition: colour, display background, programmable LED colour, logo displayed in welcome screen and the language can be selected as preferred.



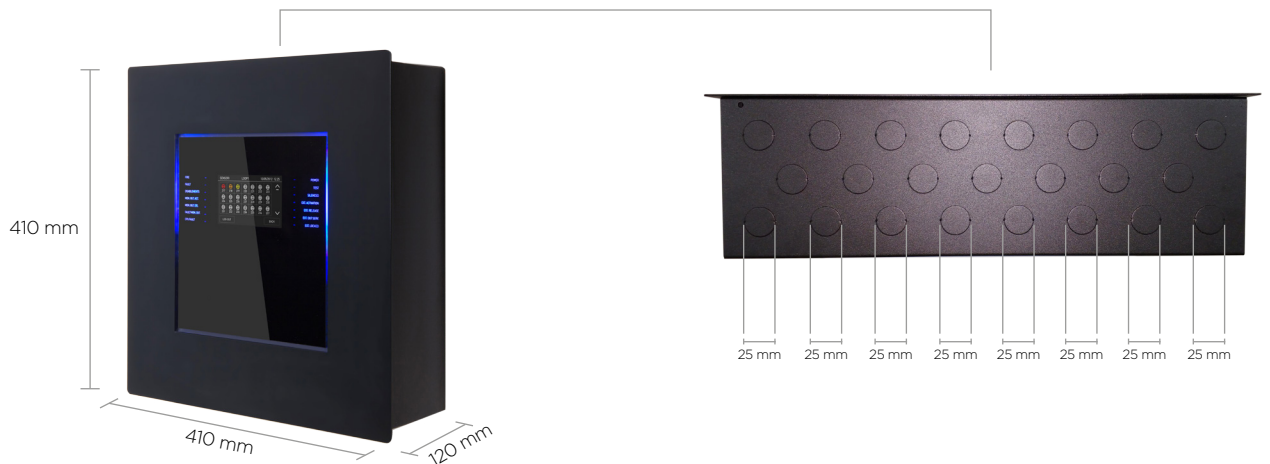
General technical data

Dimension	410 x 410 x 120 mm
Weight	6,1 kg (base unit without buffer battery)
External structure material	Iron with epoxy paint
Control panel colours	White or black
Frontal LEDs	14
Display background colour	Black, blue, green
LED frame colour	White, blue, green

Applications

Created to fit big and small installations, it finds its main application in the following fields:

- > Industrial implants, offices, shops and community buildings
- > medium and big size structures, also with distributed spaces
- > complex control systems
- > other supervision and control systems



Electrical data

Power supply	230 V ca - 50 Hz
Absorption from the network	Max. 300 mA
Buffer batteries	2 x 12 V cc 17 Ah
Auxiliary supply output	Max. 24 V cc 500 mA
Current available for the loop	Max. 500 mA
Electrical protection	Circuit short protection
	Fuse f4 Ah
Battery protection	Efficiency control and disconnection in case of over-discharge
General fault report relay	Max. 1 A - 30 V cc / 120 V ca

Hardware specifications

Microprocessor	32 bit
Master card	TD571/D
Memory	RAM: 2 MB Flash: 512 KB EEPROM: 4 MB
Display	Touchscreen 480 x 272 TFT 4.3"
Loop number	1 loop expandable to 9 loop
Analogue lines connection	Open or closed loop
Detction lines lenght	Up to 5000 m
Remote keyboards distance	Up to 800 m
Cable knockouts	4 x 25 mm
Alarm sounder	Silencing and/or excludable buzzer
Sounder output or tel. combiner	24 V cc 1 A
Solid form output with clean contact	100 V peak - 100mA
General output with open collector	Max. 100 mA
Peripheral device input/output	RS 485
Input/output for programming and remote management	RS 232/micro USB
Protection level	IP 30
Environmental conditions	From +5° to +40°C (operating temperature) Da -40° a +70°C (storage temperature)

Software specifications

Supported devices	Teledata, Apollo (XP 95, Discovery, Core protocol)
Communication protocol	CEI ABI (with PTLAN card) MODBUS (with MCGTWMDB protocol)
Area partitioning	Up to 192
Programmable logical functions	Up to 192
Events archive	Up to 1000
Programming	Locally from the keyboard From remote, with dedicated software (OneCloud)
Access safety	Multilevel password
Supported languages	111 with special characters and symbols

Certifications

2004/108/EC	EMC directive
2006/95/EC	Low voltage directive
UNI EN 54-2	Control and signal central unit
UNI EN 54-4 (A2:2006)	Power supply device

List of dedicated accessories

Loop expansion card	ONE 2
Card for central units ring connection	ONE RING
56 zone LED card	ONE 56
LAN or WAN network connection card	PTLAN
MODBUS protocol communication card	MCGTWMDB
Remote keyboard card	ONEKBD
Additional power supply unit	ONEPW

Espansions

Loop	Up to 9, open or closed (with ONE 2 card)
Devices per loop	Up to 240 (analogue, digital)
Devices per control panel	Up to 2160 (with ONE 2 card)
Control panels connectable in ring network	Up to 32 (with ONE RING card)
Devices per control panel ring	Up to 69120
Connectable remote keyboards	Up to 14 ONEKBD
Connectable printer	Teledata PR40

Manufacturer data

Registered office: Via Giulietti, 8 20132 Milano (MI)

Operational site: Via Brescia 24 G - 20063

Cernusco sul Naviglio (MI)