Description

ONEMINI is a fire detection panel capable of detecting fire via wired or wirelessly connected devices. With an intuitive touchscreen interface, it can provide information and be configured in a simple and intuitive way.

Features

ONEMINI is a multiprotocol microprocessor-based. It is able to manage up to 240 addressable devices in open or closed loop.

For complex applications, it can be installed in a ring network where zones and areas controlled by detection devices can be managed via sophisticated programmable logics to trigger events on the central unit.

Connected detectors and devices are monitored and diagnosed via the control panel. All the test procedures can be performed via **ONEMINI** to assess the status of each component, thus simplifying and speeding up the periodic maintenance process. Diagnostic and historical data recorded can be easily exported in CSV/Excel format.

A simple and ergonomic touch screen human-machine interface provides any type of user with intuitive interaction without any time or training costs.

The control panel can be customized for all installation conditions; hardware colour, display background, colour of the programmable LEDs, logo displayed on the welcome screen and language can be chosen as desired.

ONEMINI can be programmed both on site and remotely, using the dedicated ONECLOUD online platform and data can be exported and imported via a USB memory stick. Monitoring is by the WINWATCH32 supervision system.

The device is certified to EN 54-2 and EN 54-4 for fire detection and signalling systems. It offers three different levels of access depending on the operator (installer, safety manager, end user).
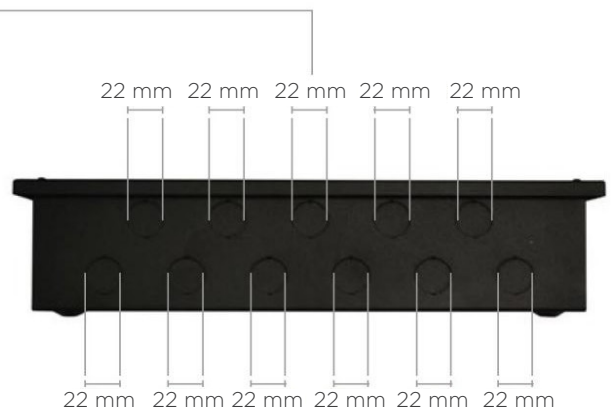
General technical data

Dimensions	330 x 310 x 80 mm
Weight (without batteries)	3.3 kg
External material	Iron painted with epoxy
Body colours	White, Black
Front LEDs	14
Background colours	Black, Blue, Green

Applications

ONEMINI can fit small and medium installations. It can find application in the following fields:

>> Banks and financial buildings
>> Government and scholastic buildings
>> Centers and commercial buildings
>> Industry ports and energy
>> Offices and residential buildings
>> Healthcare buildings
>> Sports and entertainment buildings
>> Airports and railway stations
>> Historical buildings
>> Hospitality
>> Other supervision and control systems

310mm

330mm

80 mm

22 mm 22 mm 22 mm 22 mm 22 mm

22 mm   22 mm 22 mm   22 mm   22 mm   22 mm

Teledata

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New era of fire alarm detection

Teledata is marking a new era of innovation in fire detection and alarm system technology. System surpasses the performance of any addressable panel in the market. Based on state of the art 32-bit microprocessor technology, the **ONEMINI** can communicate swiftly over a 5Km loop length, fully loaded with 240 loop devices. The TOUCH user interface enhances the user's experience by making navigation through menus, programming and response times faster, easier and more effective.

Don't just read - TOUCH!

Today, interacting with TOUCH is part of everything around us and everything we do, fire alarm control panels should not be any different. **ONEMINI** is not just a user interface; it is the graphical representation of commands, functions, and important information on the fire alarm control panel. All the commands, information, devices, zones, are presented using simple graphical pictures, which increases the ease of use. Additional peace-of-mind comes through the panel's three levels of user passwords. These ensure that only qualified people can access to the right information they need.

Language friendly innovation

With **ONEMINI** the user has a huge number of languages to choose from, even the most difficult characters displayed on the advanced touch panel. Ease of communication is the main mission of Teledata research and development team, making communication with the user a much simpler task.

Advanced architecture means low-cost installations

The loop connected to the **ONEMINI** panel can accommodate up to 240 devices in any combination. The panel utilizes the robust TeledataOne Protocol that can extend up to 3500m using 1.5mm fire-rated cables. The loop can support all devices with isolators which facilitate fault-finding and protect the other devices in case of a single failure.

Solid networking, means solid communication

The Teledata **ONEMINI** can communicate to 128 panels on a fault tolerant ring network. The distance between one panel and another does not exceed 1Km. The TeledataOne panels utilise CAN bus as a network protocol. This rigid protocol has been proven to meet the highest standards of communication of the automotive and the aviation industry. It has proven excellent resilience to noisy environments in industrial installations.

Easy to program

ONEMINI addresses all the devices electronically. No dip-switches, rotary switches, or bar-code scanning is required. This feature not only makes the programming faster and easier, it also can provide a safe-addressing topology to the devices on the loop. All sounder tones, flasher speeds, day and night sensitivity settings, holiday setting, automatic commissioning test, unlimited time delays, alarm duration, pre-alarm commissioning, double knock events, special event linked programs, to name just a few of its powerful commissioning capability.

Maintenance is now easy

Effective maintenance is, in fact, the most important function of after-sales service that Teledata strives to provide to its clients. Now detector alerts appear in a graphical, colourful presentation rather than written format. A **white** detector means clean; **green** means some dirt has been identified, **yellow** means an increase in the level of dirt, and finally **red** means replace the detector. While the Teledata detectors are already equipped with drift compensation and patented double dust trap, easy to identify maintenance support is the key feature of **ONEMINI**. In addition, all the other main functions such as disabled devices will appear in the much easier to understand graphical presentation. Finally, storage of over 850 events will make the panel ready to accommodate a lengthy history of events for the user to scroll through.

OneCloud: new era of commissioning

With ONECLOUD the commissioning is now more innovative. The panel can be programmed in different ways, such as USB import and direct programming from the touch screen.
Teledata's ONECLOUD programming innovated the cloud based programming, allowing the engineer to program the panel over the cloud, thus saving both time and visits to the site. Finally, the programming being saved on the ONECLOUD platform can be shared and modified by more specialized personnel for instant remote support anywhere in the world.

Flushed frame

ONEMINI's design allows for a flush-mounted installation, making the already good looking panel even more aesthetically pleasing.

Electrical data

Power Supply	230 V ac 50 Hz
Max Current Draw	200 mA
Batteries	2 x 12 V dc 7.2 Ah
Auxiliary Supply Output	24 V dc / 1 A
Max Current available for the Loop	500 mA
Electrical Protection	Short circuit protection fuse F4 Ah
Battery Protection	Efficiency control. Disconnection in case of over discharge.
General fault report relay	Max. 1 A / 30 V dc - 120 V ac

Software Specifications

Supported devices	One Protocol & Radio Protocol
Supervising communication protocol	CEI ABI with ONECONNECT card & MODBUS with ONEMODBUS protocol
Area partitioning	Up to 192
Logical functions	Up to 192
Events archive	Up to 1000
Programming	Locally with keyboard Remote with OneCloud software
Access safety	Multilevel password
Languages	111 including special characters and symbols

Accessories

Expansion loop card	NONE
Central unit ring connection card	ONERING
16 zone LED card	ONE16
LAN or WAN network card	ONECONNECT
MODBUS communication card	ONEMODBUS
Remote keyboard card	ONEKBD
Additional supply	NONE

Ordering Info

ONE MINI	Compatibile with all accessories
ONE MINI L	Not compatible with ONERING and ONEKBD
ONE MINI SL	Not compatible with ONERING and ONEKBD and can handle up to 128 devices

Manufacturer Data

Legal Site: Via Brescia 24 G – 20063
Cernusco sul Naviglio (MI)

Hardware Specifications

Microprocessor	32 bit
Master board	TD595
Memory	RAM: 2 MB Flash: 512 KB EEPROM: 4 MB
Display	Touchscreen 480 x 272 TFT 4.3"
Loop Number	1
Analogue lines connection	Open or closed loop
Detection lines length	Up to 5000 m
Remote keyboards distance	Up to 800 m
Cable knockouts	no. 29 – 22 mm diam
Alarm sounder	Silencing and/or excludable buzzer
Sounder output or tel. combiner	24 V dc 1 A
Solid form output with clean contact	1 A 30 V dc 120 Ac
Peripheral devices in serial line	RS485
Input/output for programming	Micro USB
Internal Protection Level	IP 30
Operating Temperature	-5 to +40 °C
Storage Temperature	-40 to +70 °C

Certifications

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

Expansions

Loops	Max 1 open or closed
Devices per loop	Up to 240 (analogue, digital)
Devices per control panel	Up to 240
Control panels which can be connected in a single loop	Up to 32 (with ONERING board)
Devices per ring of panels	Up to 7680
Connectable remote keyboards	Up to 16 ONEKBD
Connectable printer	ONEPRINTER