Description

OneMini is a fire detection panel which can detect fires through wired or wireless 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 panel based on a microprocessor. 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 simplifying and speeding up periodic maintenance process. Nonetheless, diagnostic data and historical data recorded can be easily exported in CSV/Excel format.

A simple and ergonomic touch human machine interface allows any type of user an intuitive interaction without time or training costs. All configuration steps are immediate and the self-programming and self-addressing mechanisms allows to recognize, interrogate and program devices in the field quickly, systematically and without errors. The control panel can be customized for all installation conditions: mechanics colour, display background, 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, data can be exported and imported via USB stick. Monitoring takes place thanks to the WINWATCH32 supervision system.

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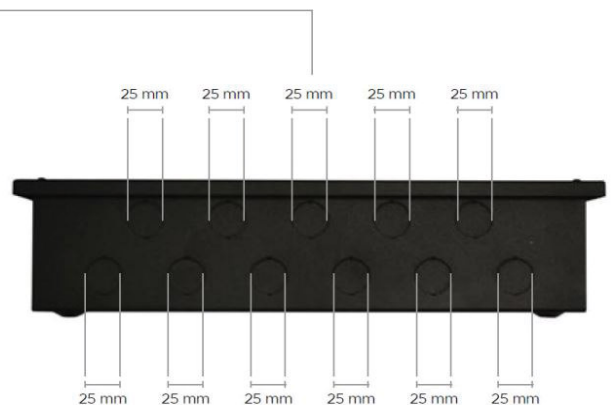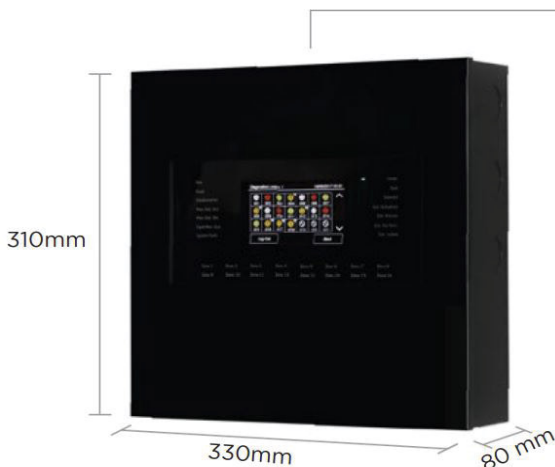

General Technical Data

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

Applications

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

>> Industrial plants, offices, shops and buildings that host communities

>> Small and medium size structures

>> Complex anti-intrusion systems

>> Other supervision and control systems

Teledata

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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. Teledata One 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-ofmind 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 One Mini the user has a huge number languages to choose from, even the most difficult characters displayed on the advanced touch panel. Easy of communication is the main mission of Teledata OneMini research and development team, making communication with the user much a simpler task.

Advanced Architecture, Means Low-Cost Installations

Each loop connected to the Teledata One panel can accommodate up to 240 devices in any combination. The panel utilizes the robust Teledata One protocol that can extend up to 3500m using 1.5mm fire-rated cables. Each loop can support all devices with isolators allowing ease of finding fault and protecting the other devices in case of a single failure.

Solid Networking, Means Solid Communication

The OneMini can communicate to 128 panels on a fault tolerant ring network. The distance between one panel and another does not exceed 1Km. The Teledata One panels utilise CAN bus as a network protocol. This rigid protocol proven the highest standards of communication in an automobile, and aircraft industry. It is proven excellent resilience to noisy environments in industrial application.

Easy To Program

The OneMini addresses all the devices electronically. No dip-switches, or 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 few of this 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 is identified, Yellow means an increased 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 TeledataOne. In addition, all the other main functions such as disabled devices will appear in the much easier to understand graphical presentation. Finally, over 850 events storage, will make the panel ready to accommodate a lengthy history of events for the user to scroll between.

One Cloud New Era Of Commissioning

With One Cloud, the commissioning now is more innovative. The panel has different modes of programming capability, such as USB import, and direct programming from the touch screen; OneMini innovated One Cloud based programming, allowing the engineer to program the panel over the cloud saving time and visits to site. Finally, the programming being saved on the One Cloud platform can be shared and modified by more specialized personnel for instant remote support anywhere in the world.

Flushed Frame

The OneMini panel allows flushed mount installations making the already good looking panel more aesthetically pleasing.

Electrical Data

Power Supply	230V AC 50Hz
Max Current Draw [mA]	200
Batteries	2 x 12V DC 7.2 Ah
Auxiliary Supply Output	24V DC / 1A
Max Current available for the Loop [mA]	500
Electrical Protection	Short Circuit Protection Fuse F4Ah
Battery Protection	Efficiency control. Disconnection in case of over discharge.
General fault report relay	Max. 1 A / 30VDC - 120VAC

Software Specifications

Supported devices	Apollo (XP 95, Discovery, Core Protocol) & Argus Protocol
Communication protocol	CEI ABI with PTLAN card MODBUS with MCGTWMDB 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

Accessories

Expansion loop card	NONE
Central unit ring connection card	ONE RING
16 zone LED card	ONE 16
LAN or WAN network card	PTLAN
MODBUS communication card	MCGTWMDB
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 – 2003
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 [mm]	29 x 22
Alarm sounder	Silencing and/or excludable buzzer
Sounder output or tel. combiner	24V DC 1 A
Solid form output with clean contact	11A 30V DC 120AC
Max General output with open collector [mA]	100
Peripheral devices input/output	RS485
Input/output for programming and remote management	RS232/micro USB
Internal Protection Level	IP 30
Operating Temperature [°C]	-5 to +40
Storage Temperature [°C]	-40 to +70

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 ONE RING board)
Dispositivi per anello di centrali	Up to 7680
Connectable remote keyboards	Up to 16 ONEKBD
Connectable printer	Teledata PR40

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