

Description

Teledata **ONEMINIG** is a microprocessor-based gas detection control unit designed to monitor wired 4–20 mA gas detectors connected through the **ONEMODULE420** interface module. The system can be configured, operated, and monitored through its touchscreen interface.

Features

Teledata **ONEMINIG** is a multi-protocol control panel capable of managing an open or closed loop of 240 compatible devices from a single control panel. In more complex applications, it can be installed in a ring network where areas and zones controlled by detection devices can be combined using logical expressions to trigger events on the control unit to which they belong or on other ring control units.

Device diagnostics are performed directly by the control panel, and a single operator can independently perform all test procedures and verify the operation of all system components. Periodic maintenance can thus be planned and performed in an optimal manner. Diagnostic data and historical data recorded by the control panel can be easily exported and analysed.

The simple and ergonomic touch interface allows any type of user to interact intuitively without training time or costs.

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

Data can be exported and imported using any USB stick. Monitoring is carried out using the WINWATCH32 supervision system.

This control panel offers three different access levels for different types of operators (installer, security manager and end user).



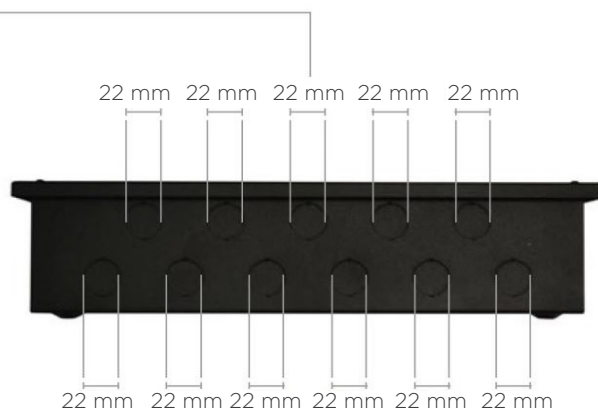
General specifications

Dimensions	330 x 310 x 80 mm
Weight (without buffer batteries)	3.3 kg
External structure material	Iron with epoxy coating
Colors	White, Black
Front LEDs	14
Display background colour	Black, Blue, Green

Applicazioni

Designed to suit small and medium-sized installations, it is mainly used in the following areas:

- >> Financial buildings and banks
- >> Government and educational buildings
- >> Commercial centres and buildings
- >> Industrial, energy and port facilities
- >> Residential buildings and offices
- >> Hospital buildings
- >> Sports and entertainment buildings
- >> Airports and railway stations
- >> Historic buildings
- >> Hospitality
- >> Other supervision and control systems



A new era for detection systems

Teledata is ushering in a new era in the world of detection and technology systems. A system that outperforms every other addressing control unit on the market. The touch interface guarantees users a more user-friendly and effective experience through menu navigation and faster programming and response times.

Don't just read - TOUCH!

Today, interacting with TOUCH devices is part of everything around us. For this reason, control panels should be no exception. ONEMINIG is not just a user interface, but a graphical representation of commands, functions and important information about the fire control panel. Each command, function, device and zone is presented through a graphical representation that facilitates its use. Greater peace of mind is guaranteed for the operator thanks to the graphical interface designed for three different user levels. In fact, only qualified personnel will be able to access the specific information they need, while less qualified personnel will have a simplified graphical interface.



A friendly, innovative language

With ONEMINIG, users have an infinite number of languages to choose from, even those with characters that are difficult to display on an advanced touchscreen control panel. The true mission of Teledata and its team's research is to facilitate communication, making dialogue with users much easier.

Advanced architecture means lower installation costs

The loop connected to the ONEMINI control unit can accommodate up to 240 devices in any combination. The control unit uses the robust Teledata protocol, which can be extended up to 3.5 km using 1.5 mm fireproof cables. The loop can support devices with isolators, allowing for easy fault detection and protecting other devices in the event of individual failures.

A robust network means robust communication

ONEMINIG can communicate with 128 exchanges on a fault-tolerant ring network. The distance between one control unit and another cannot exceed 1 km unless fibre converters are used. Teledata control units use the CAN bus network protocol. This rigid protocol has made it possible to achieve the highest levels of communication in the automotive and aircraft sectors. It has also demonstrated excellent resistance to noisy environments in industrial applications.

Easy to programme

All devices are addressed electronically. No DIP or rotary switches or barcode scanning are required. This feature not only makes programming easier and faster, but also provides secure topological addressing to devices in the loop. To name just a few of our commissioning capabilities, we offer: audible alarms, flasher speed, day and night sensitivity settings, holiday settings, automated commissioning, unlimited time delays, alarm duration, pre-alarm commissioning, double-impact events, programmes linked to special events, and more.

Maintenance is simple now

Effective maintenance is, to all intents and purposes, the main function among the after-sales services that Teledata is committed to offering its customers. The detector alerts appear in a colourful graphic format, rather than in a simple written format. It also has the capacity to store more than 850 cases, which means that the control unit is ready to host a long series of cases that the user can browse through.

A flush-mounted technological frame

The ONEMINIG control unit can also be wall-mounted, making this already attractive unit 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

Manufacturer Data

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

Teledata

20063 Cernusco sul Naviglio (MI) - Via Brescia 24 G - Italy
Tel.: +39 02 27 201 352 - +39 02 25 92 795 | mail: info@teledata-i.com

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