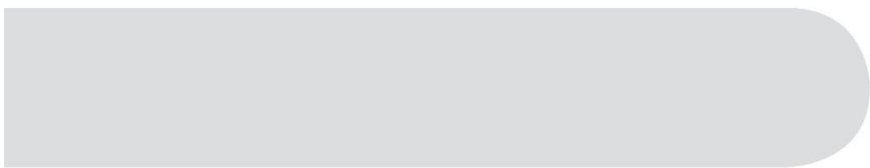
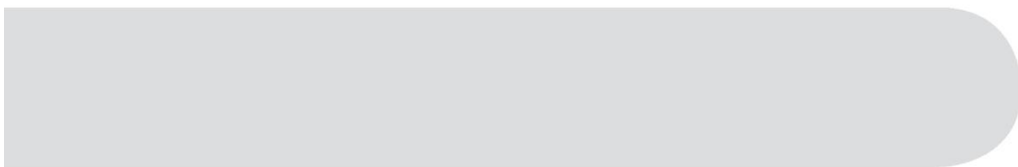
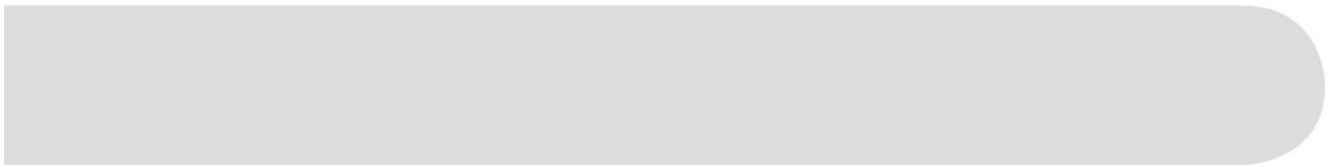




ONE KBD

User and Installation Manual



Information ownership

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Declaration of conformity

This equipment was designed according to the quality, reliability and performance criteria adopted by Teledata.

Equipment must be professionally installed according to current regulations.

The equipment meets the following directives and standards:

EMC Directive (EMC) **2004/108/EC**

Low Voltage Directive (LVD) **2006/95/EC**

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1. Introduction to this manual

1.1 Obligations to this manual



Warning: this manual is an integral part of the equipment and must be kept for its entire working life. The manual must be enclosed with the equipment in the event of transfer to third parties.

The manual must be consulted for all those situations tied to the equipment's working life from its receipt until its disposal.

It must be kept in a clean place accessible to operators, and kept in good conditions.

1.2 Manual data

Equipment:	OneKBD
Title:	User and Installation Manual
Code or edition:	v. 1.0.0 ENG
Print month and year:	JAN 2016
Manual type:	original instructions

1.3 Warnings for manual addressees

Graphic concepts adopted in the text are illustrated below.



Warning: operations to be carefully performed or important information.



Note: important information, highlighted after the text they refer to.



Suggestions: practical information for good function operations.

2. Safeties and warranties

2.1 Safety rules

The information in this manual section aim to ensure that the device is correctly installed and handled. It is assumed that anyone who has to do with the device is familiar with the content of this chapter.

2.2 Intended use

The equipment must only be installed and used as described in this manual and for the purposes described in the advertising material distributed by Teledata S.r.l. It can only be connected to equipment, components and devices manufactured by third parties as recommended and permitted in this manual or by Teledata S.r.l. directly.

The equipment was designed, manufactured and tested to meet the stated safety standards. If, during the design of the systems in which it is installed, installation and use the instructions in this manual are followed, the equipment is not harmful to people or property.

2.3 Warranty restrictions

Teledata is not liable for direct or indirect damages to people or property due to equipment use in conditions other than those intended.

Qualified personnel must install this equipment strictly following the instructions in this manual and according to local laws, standards and safety regulations in effect.

This product is guaranteed against material and factory defects for **12 months from inspection date**. The warranty does not cover defects due to:

- Improper use and neglect.
- Damages due to exposure to the elements.
- Vandalism.
- Material wear.

The warranty is invalid when faults are due to improper use or operating procedures not contemplated in this user manual.

2.4 Technical support

This manual was drafted with care and is intended for qualified personnel. For any questions or special technical requests, please contact our personnel. Please write or call to contact personnel able to answer your questions and provide assistance.

Service email: info@teledata-i.com

Service phone number: +39 0227201352

Service fax number: +39 022593704

3. Product identification

3.1 Manufacturer's identification data

Teledata s.r.l.

Head office 20132 Milan - Italy - Via G.M. Giulietti, 8

Operating center 20063 Cernusco Sul Naviglio - Italy - Via Brescia, 24

Tel.: +39 02 27 201 352 / +39 02 25 92 795

Fax: +39 02 25 93 704

E-mail: info@teledata-i.com

3.2 Packaging content

The packaging contains the following items:

Description	Quantity
Keyboard OneKBD	1
Installation and user manual (this manual)	1

3.3 Identify the model and the serial number

Inside the control panel there is an identification sticker that must not be removed under any circumstance. Please see plate information for service calls, maintenance or accessories.

4. Equipment management

4.1 Transportation

Once the equipment is carefully packaged and boxed, typical precautions must be taken during transport meaning the box must be positioned and secured to avoid tipping or falling that could damage equipment. Temperature limits must also be observed.

4.2 Environmental conditions

Observe temperature limits:

-40° / +70°C for storage and transport.

+5° / +40°C for operations.

4.3 Unpacking

Upon receiving the equipment, carefully unpack, being careful to dispose waste according to current waste disposal regulations.

4.4 Replacement

To replace obsolete equipment, disconnect it and connect the new device according to the relevant installation diagrams.

Dispose of the old equipment according to current waste disposal regulations.

4.5 Disposal

Avoid destruction by incineration and disposal in waterways. The product must be safely disposed.

Before disposal, batteries must be removed from all products containing batteries being careful to avoid short circuits. Observe current regulations for battery disposal.

5.Introduction to OneKBD

5.1 General features

OneKBD is a remote keyboard designed, developed and manufactured for use with the central fire detection TeledataOne.

5.2 Installation precautions

The electronic boards are provided with semiconductors that are sensitive to electrostatic charges. For this reason the boards should be handled by their edges and their electronic components should not be touched.

Carry out a good grounding in order to reduce the damageability and noise sensibility.

Disconnect any power supply before inserting or removing an electronic board and before carrying out any maintenance work on the control panel (except for the loading of a new FW version).

5.3 Technical data

5.3.1 Electrical features

Primary voltage	27.6Vcc
Primary consumption	90mA max.

5.3.2 Functional features

Operating keyboard	Touch screen
Optical messages	Led
Acoustic messages	Buzzer
Visualization of the events	480x272 TFT 4.3"
Event log	Max. 850
Working mode	Guarded/Unguarded
Communication	Serial bus RS485
Speed talk	38400 bps
Maximum number of addresses	14
Maximum length of lines	500m
Type of cable	shielded data cable Shielded

5.3.3 Mechanical features

Protection level	IP30
Cabinet	Iron
Dimensions (WxLxD)	210 x 120 x 30 mm
Weight (without batteries)	1 Kg
Painting	Epoxy resin
Color	Black

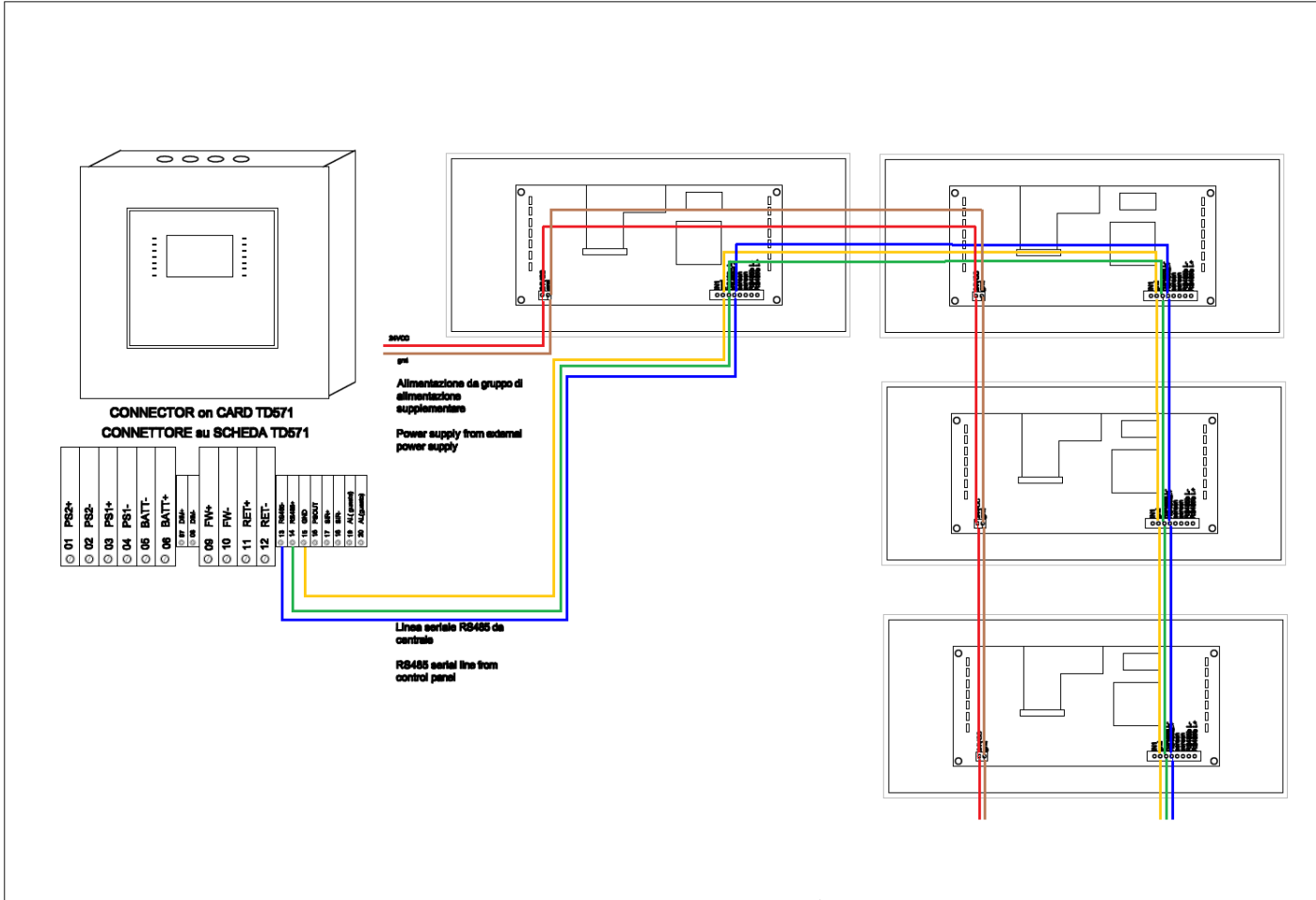
5.3.4 Environmental features

Storage temperature	(-40 ÷ +70)°C
Operating temperature	(+5 ÷ +40)°C
Operating humidity (relative)	90%

6. Hardware Configuration

6.1 OneKBD system mounting

In the maximum mounting you can connect 8 keyboards OneKBD in serial.

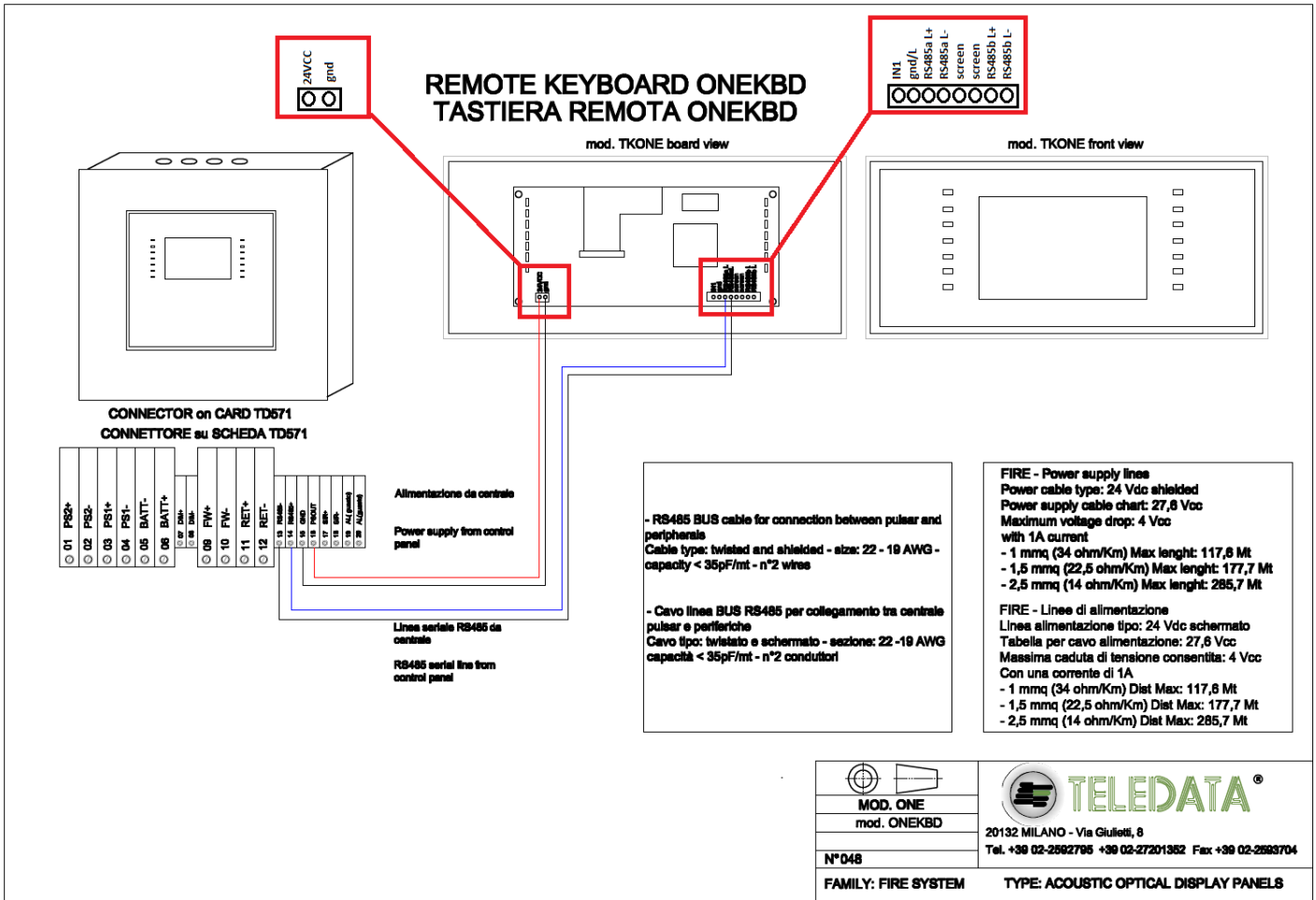


7. Layout and connections

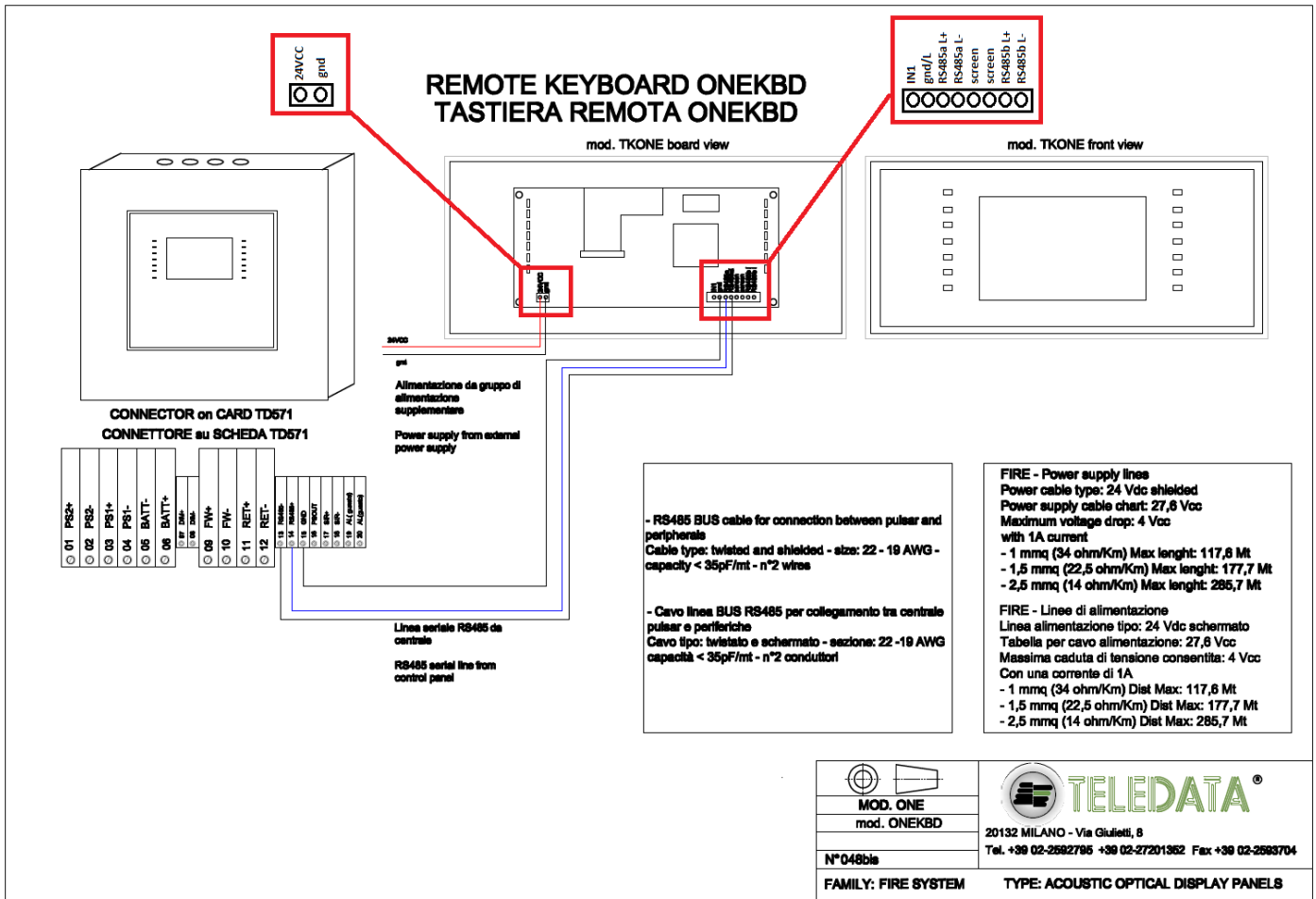
7.1 Connection scheme with TeledataOne

There are two types of connections to TeledataOne:

7.1.1 Power supplied through TeledataOne



7.1.2 External power supply



7.2 System description

Below is described a description of connections required to set-up the system.

Follow the instructions below for scheme 7.1.1 :

- Connect PSOUT of TeledataOne to 24VCC of OneKBD.
- Connect RS485- of TeledataOne to RS485aL- of OneKBD.
- Connect RS485+ of TeledataOne to RS485aL+ of OneKBD.
- Connect GND of TeledataOne to gnd of OneKBD.

Follow the instructions below for scheme 7.1.2 :

- Connect the positive of external power supply to 24VCC of OneKBD.
- Connect the negative of external power supply to gnd of OneKBD.
- Connect RS485- of TeledataOne to RS485aL- of OneKBD.
- Connect RS485+ of TeledataOne to RS485aL+ of OneKBD.
- Connect GND of TeledataOne to gnd/L of OneKBD.

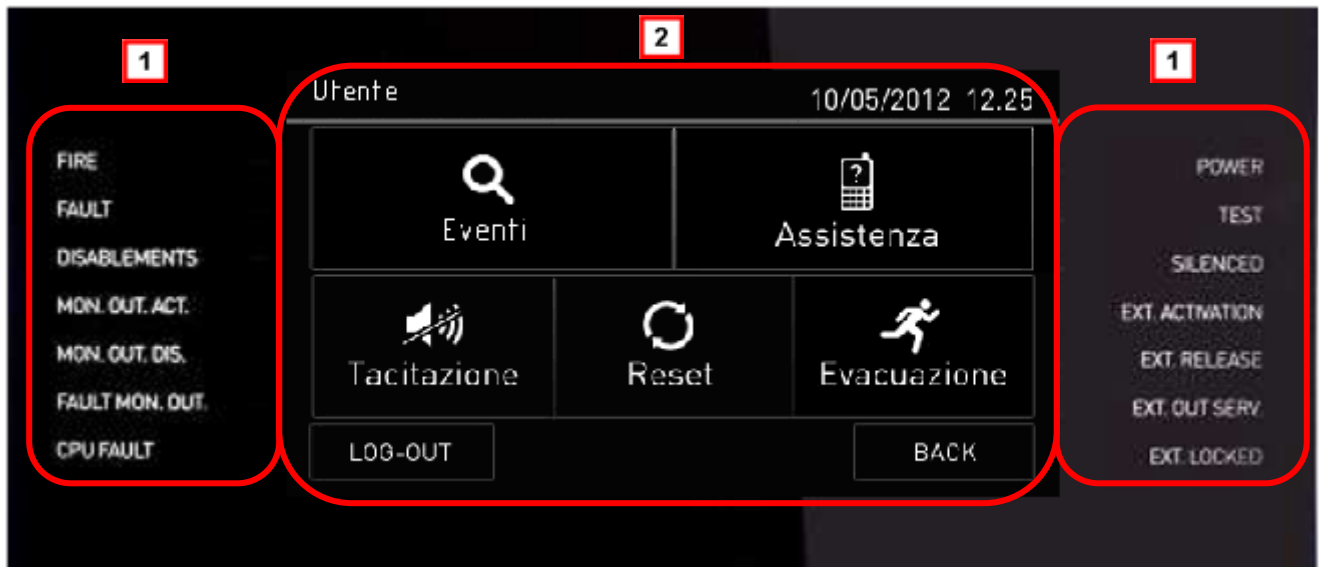
7.3 Power supply

There are two possible methods of supply for the One KBD:

- Using the power supplied directly from TeledataOne as shown in scheme 7.1.1.
- Using an external power supply 27.6 V as shown in scheme 7.1.2.

8. Control panel

The control panel includes the following elements:



Area	Description
1	Status led
2	Graphic interface (touch screen)

8.1 Status led

The following led are on the control panel:

Name	Color	Description
Fire	Red	Fire alarm from at least a device in the system
Fault	Yellow	Generic fault
Disablements	Yellow	Devices or peripherals disabled
Mon. Out. Act.	Yellow	Monitored output activated
Mon Out. Dis.	Yellow	Monitored output disabled
Fault Mon. Out.	Yellow	Monitored output fault
CPU fault	Yellow	CPU fault
Power	Green	Main Power supply 220V
Test	Yellow	At least one device under test
Silenced	Yellow	Alarm silenced
Ext. Activation	Yellow	Extinguishing circuit activated (not yet available)
Ext. Release	Yellow	Extinguishing circuit released (not yet available)
Ext. Out Serv.	Yellow	Extinguishing circuit fault (not yet available)

Name	Color	Description
Ext. Locked	Yellow	Extinguishing circuit locked (not yet available)

8.2 Graphic interface

The following elements are always displayed in all menus:



Area	Description
1	Page name
2	Unit date and time
3	Specific page content
4	Exit key
5	Back key

8.3 Types of users

The panel can be used by two different types of users:

- **User** that can:
 - view system events.
 - silence the panel and alarms.
 - reset the panel and alarms.
 - view the data of assistance.
 - execute evacuation(only in case of alarm).
- **Programmer** that can:
 - save the address of OneKBD.
 - set if keyboard is Control Terminal for T1/T2 functionality.

Each operator can only open the screens required to run their permitted operations.

Any operator can view the system status and current events because these operations are directly accessible from the Main page which is not password protected.

9. Basic operations for any operator

9.1 View basic information

The home page is viewed when turned on if no events have occurred:



Press **Main Menu** to view it:



The menus in this page can be opened without entering any code.

Options

Menu	Function
Historical Events	Opens the Historical events menu.
Assistance	Opens the Assistance page.

If any type of event has occurred, the **Current events** page is displayed when turned on.

Allarmi in Corso 02/05/2012 23.10

Allarmi 003	Guasti 000	Esclusioni 000	Test 000
----------------	---------------	-------------------	-------------

26/03/13 16:00 ALLARME - Loop 01 Sens. 001
Atrio Principale

26/03/13 16:00 ALLARME - Loop 01 Sens. 006
Atrio Principale

Log-In
>
Tacitazione

Fields

Field	Description
Alarms	Displays the number of devices in alarm.
Faults	Displays the number of devices in fault status.
Exclusion	Displays the number of devices disabled.
Test	Displays the number of devices under test.

Options

Option	Function
Log – in	To open unit functions with a login code.
< >	To scroll through the pages that display all events.
Silence	To mute the panel buzzer (but not device alarms).

9.1.1 Viewing events

Main menu -> Historical Events



The **Events** menu lets you view events logged by category.



Procedures

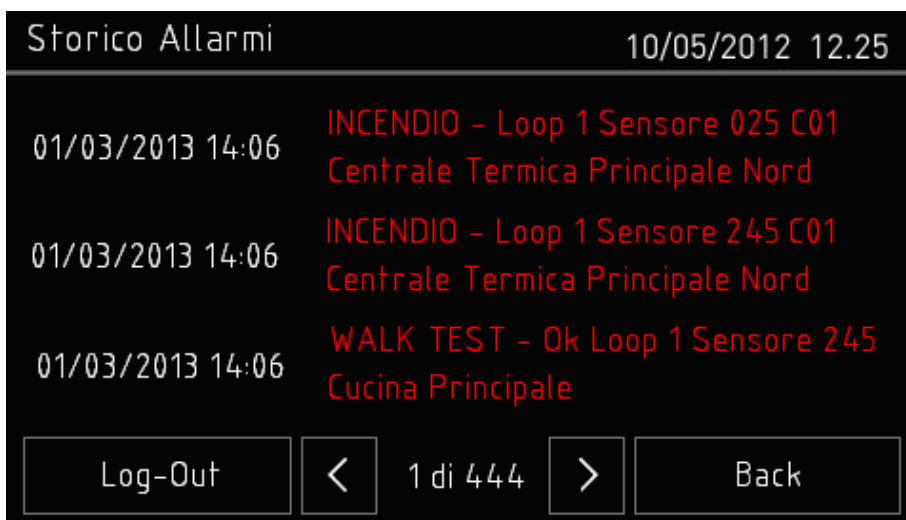
To view all events:

- Select **All**: a list of all events is displayed.



To view all alarms:

- Select **Alarms**: a list of all alarms is displayed.

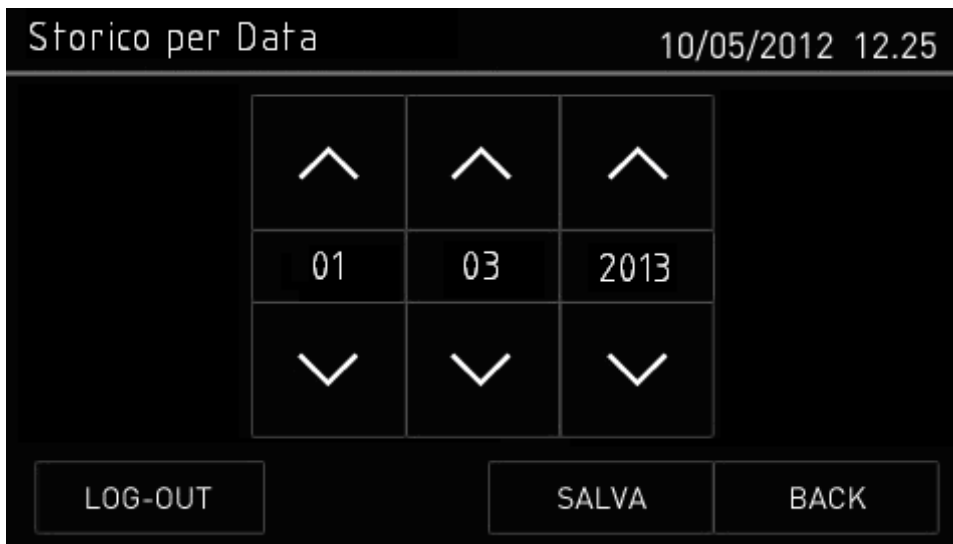


To view all faults:

- Select **Faults**: a list of all faults is displayed.

**To view events on a specific day:**

- Select **Date**: the **Log by Date** screen appears.



- Set the date of the events to be viewed.
- Press **Save** to confirm: all events on the selected day are displayed.

Storico Guasti 10/05/2012 12.25

01/03/2013 14:06 **GUASTO - Alimentazione Batteria**

01/03/2013 14:06 **GUASTO - Mancanza Rete**

01/03/2013 14:06 **GUASTO - Corto Loop n. 1**

Log-Out < 1 di 444 > Back

To view events in a specific loop:

- Select **Loop**: the **Log by Loop** screen appears.

Storico per Loop 10/05/2012 12.25

Loop

1	2	3	4	5	6	7	8	9
---	---	---	---	---	---	---	---	---

LOG-OUT BACK

- Select the loop of the events to be viewed.

Storico Loop n. 1 10/05/2012 12.25

01/03/2013 14:06 **INCENDIO - Loop 1 Sensore 025 C01
Centrale Termica Principale Nord**

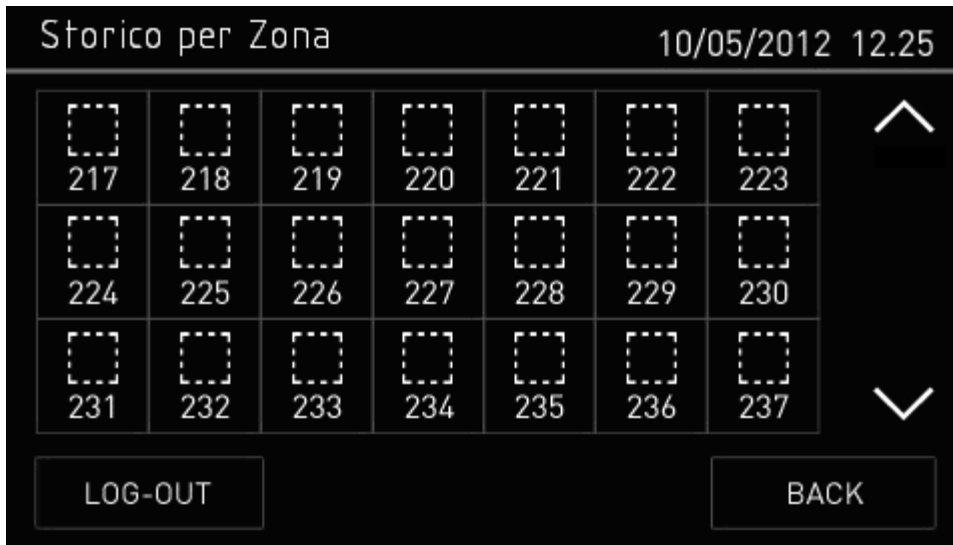
01/03/2013 14:06 **INCENDIO - Loop 1 Sensore 245 C01
Centrale Termica Principale Nord**

01/03/2013 14:06 **WALK TEST - Ok Loop 1 Sensore 245
Cucina Principale**

Log-Out < 1 di 444 > Back

To view events in a specific zone:

- Select **Zone**: the **Log by Zone** screen appears.



- Select the zone of the events to be viewed.



**Main menu -> Assistance**

Information required to receive assistance is displayed in this page.

Assistenza	10/05/2012 12.25
Assistenza:	
Teledata Milano +39 0227201352	
Versione TkbOne : 1.0.A0	Versione Master: 1.1.A0
Versione Slave n.1: 1.1.A0	Versione Slave n.2: 1.1.A0
Versione Slave n.3: 1.1.A0	Versione Slave n.4: 1.1.A0
<input type="button" value="LOG-OUT"/>	<input type="button" value="BACK"/>

9.2 Login

Main page -> Log-in



Default settings

The following codes are set by default if OneKBD isn't connect:

- **User code:** 98765
- **Programmer code:** 56789

Procedure

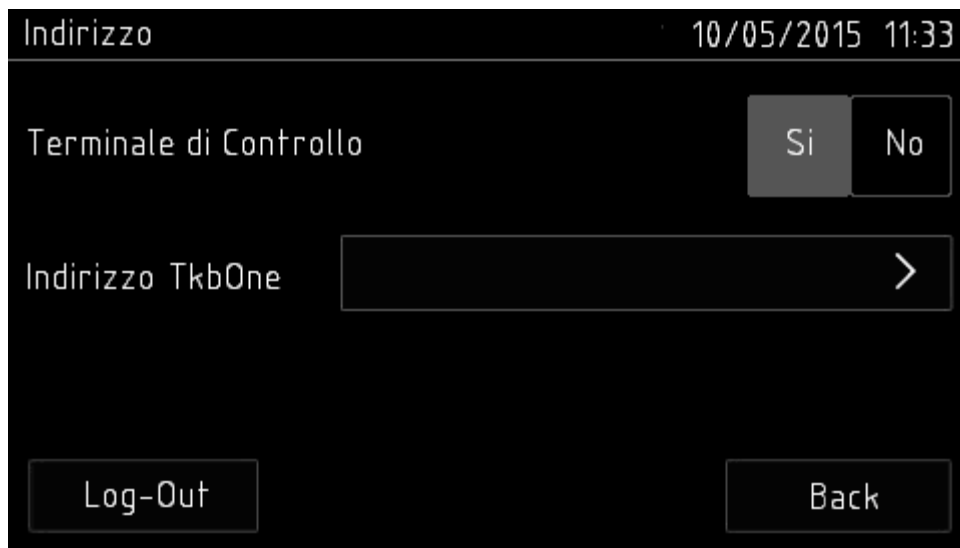
1. Insert the five digits of the code.
2. Press **OK** to confirm: the relevant menu is displayed according to the entered code.





Field	Description
Historical Events	View the historical events divided in All, Allarms, Faults, Date, Loop and Zones.
Assistence	View the page with assistance data.
Silence	Enable to mute the buzzer.
Reset	Enable to reset the central.
Evacuation	Enable to activate the evacuation command(only in case of alarm).
Log-Out	Enable to return to the Main Menu.
Back	Enable to return to the previous page.

9.2.2 Configuration menu



Indirizzo 10/05/2015 11:33

Terminale di Controllo Si No

Indirizzo TkbOne

Log-Out Back

In this menu you can choose the address for the OneKBD.



Indirizzo 10/05/2012 12.25

Indirizzo TkbOne

1	2	3	4	5	6	7	8	9	0	Canc.	INVIO
---	---	---	---	---	---	---	---	---	---	-------	-------

Log-Out Back

Procedure

1. Choose the number address.
2. Select SAVE.
3. Exit from the configuration menu with Log-Out button.

Also on the central Teledata One must be set the number of connected peripheral.

If you don't perform the above procedures the OneKBD is not linked to TeledataOne and you can not view the events log and send commands to the central.