ONEMIMIC Panel

User and Installation Manual

Information ownership

Requests for additional copies of this product or pertinent technical information should be addressed to:

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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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1.1 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: ONEMIMIC

Title: User and Installation Manual

Code or edition: v. 1.0.3 ENG

Print month and year: July 2021

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

3.Product identification

3.1 Manufacturer's identification data

Teledata s.r.l.

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3.2 Packaging content

The packaging contains the following items:

Description	Quantity
ONEMIMIC card	1
Installation and user manual (this manual)	1

3.3 Identify the model and the serial number

Inside and out the box of the panel there are identification stickers 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 ONEMIMIC

5.1 General features

The MIMIC card makes available leds zone status form the ONE or ONEMINI fire alarm panels
The Mimic panel is connected to the control panel via an isolated RS-485 bus and provides indications on the status of the alarm system, both general and alarm zones.
It therefore has 48 outputs for the zone LEDs, plus a series of outputs for generic fault indications; there are also a button to test the card.
Inputs and outputs are wired to additional boards, or directly to the connectors.
The system can support 16 mimic panels addresses, whose address is defined with dip-switches.
The system can support 4 block of leds activation.
Block 1: from zone 1 to zone 48
Block 2: from zone 49 to zone 96
Block 3: from zone 97 to zone 144
Block 4: from zone 145 to zone 192

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.

5.3 Technical specifications

5.3.1 HARDWARE features

- 12/24 Vdc power supply
- 8 Dip Switch for addresses and block
- no. 1 button for lamp test
- Remote connection with terminals for external lamp test button (Mascon).
- Connectors for flat cable for zones led connection. Each connector for 8 zones
- Mascon connector for general fault output.
- Mascon for BUZZER remote connection
- Mascon for POWER LED remote connection

5.4 Technical data

5.4.1 Electrical features

Operating voltage	27,6 V
Standby absorption	xxx mA – 27,6V

5.4.2 Environmental features

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

6.Hardware Configuration

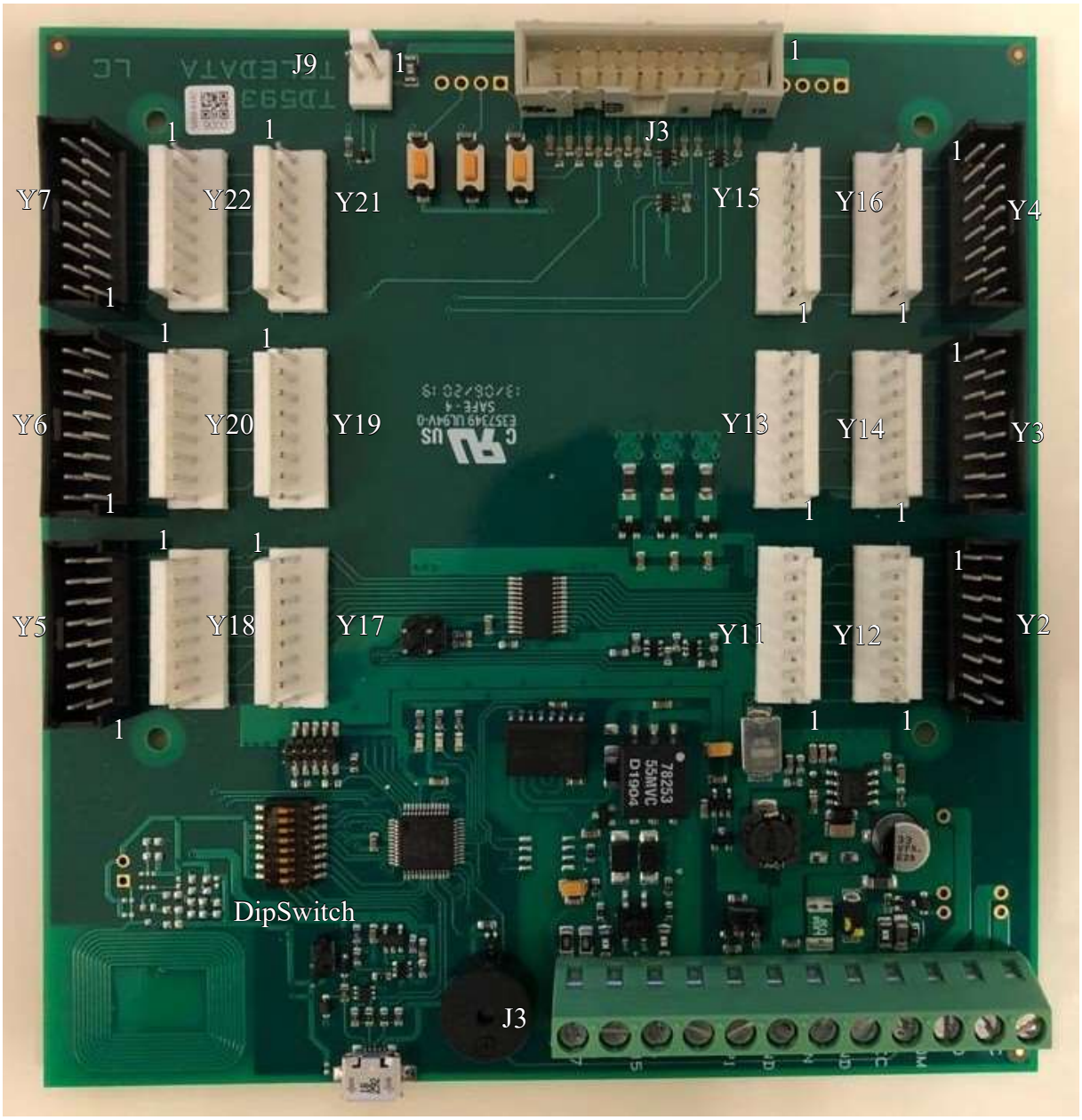
6.1 Control Panel Equipment

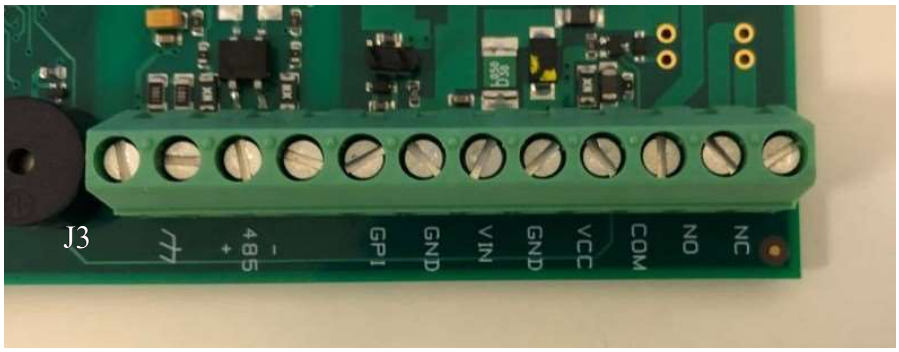
When fully equipped the control panel can include:

- 1 main logic board (TD593A)

7.Layout and connections

7.1 Logic board (TD593A) layout





LEDS CONNECTIONS

CONNECTOR Y2

Pin	Led
1	K Ld8
2	A Ld8
3	K Ld7
4	A Ld7
5	K Ld6
6	A Ld6
7	K Ld5
8	A Ld5
9	K Ld4
10	A Ld4
11	K Ld3
12	A Ld3
13	K Ld2
14	A Ld2
15	K Ld1
16	A Ld1

CONNECTOR Y3

Pin	Led
1	K Ld16
2	A Ld16
3	K Ld15
4	A Ld15
5	K Ld14
6	A Ld14
7	K Ld13
8	A Ld13
9	K Ld12
10	A Ld12
11	K Ld11
12	A Ld11
13	K Ld10
14	A Ld10
15	K Ld9
16	A Ld9

CONNECTOR Y4

Pin	Led
1	K Ld24
2	A Ld24
3	K Ld23
4	A Ld23
5	K Ld22
6	A Ld22
7	K Ld21
8	A Ld21
9	K Ld20
10	A Ld20
11	K Ld19
12	A Ld19
13	K Ld18
14	A Ld18
15	K Ld17
16	A Ld17

CONNECTOR Y5

Pin	Led
1	K Ld25
2	A Ld25
3	K Ld26
4	A Ld26
5	K Ld27
6	A Ld27
7	K Ld28
8	A Ld28
9	K Ld29
10	A Ld29

CONNECTOR Y6

Pin	Led
1	K Ld33
2	A Ld33
3	K Ld34
4	A Ld34
5	K Ld35
6	A Ld35
7	K Ld36
8	A Ld36
9	K Ld37
10	A Ld37

CONNECTOR Y7

Pin	Led
1	K Ld41
2	A Ld41
3	K Ld42
4	A Ld42
5	K Ld43
6	A Ld43
7	K Ld44
8	A Ld44
9	K Ld45
10	A Ld45

11	K Ld30	11	K Ld38	11	K Ld46
12	A Ld30	12	A Ld38	12	A Ld46
13	K Ld31	13	K Ld39	13	K Ld47
14	A Ld31	14	A Ld39	14	A Ld47
15	K Ld32	15	K Ld40	15	K Ld48
16	A Ld32	16	A Ld40	16	A Ld48

CONNECTOR Y11 **CONNECTOR Y12** **CONNECTOR Y13**

Pin	Led	Pin	Led	Pin	Led
1	K Ld2	1	K Ld1	1	K Ld10
2	A Ld2	2	A Ld1	2	A Ld10
3	K Ld4	3	K Ld3	3	K Ld12
4	A Ld4	4	A Ld3	4	A Ld12
5	K Ld6	5	K Ld5	5	K Ld14
6	A Ld6	6	A Ld5	6	A Ld14
7	K Ld8	7	K Ld7	7	K Ld16
8	A Ld8	8	A Ld7	8	A Ld16

CONNECTOR Y14 **CONNECTOR Y15** **CONNECTOR Y16**

Pin	Led	Pin	Led	Pin	Led
1	K Ld9	1	K Ld18	1	K Ld17
2	A Ld9	2	A Ld18	2	A Ld17
3	K Ld11	3	K Ld20	3	K Ld19
4	A Ld11	4	A Ld20	4	A Ld19
5	K Ld13	5	K Ld22	5	K Ld21
6	A Ld13	6	A Ld22	6	A Ld21
7	K Ld15	7	K Ld24	7	K Ld23
8	A Ld15	8	A Ld24	8	A Ld23

CONNECTOR Y17 **CONNECTOR Y18** **CONNECTOR Y19**

Pin	Led	Pin	Led	Pin	Led
1	K Ld31	1	K Ld32	1	K Ld39
2	A Ld31	2	A Ld32	2	A Ld39
3	K Ld29	3	K Ld30	3	K Ld37
4	A Ld29	4	A Ld30	4	A Ld37
5	K Ld27	5	K Ld28	5	K Ld35
6	A Ld27	6	A Ld28	6	A Ld35
7	K Ld25	7	K Ld26	7	K Ld33
8	A Ld25	8	A Ld26	8	A Ld33

CONNECTOR Y20 **CONNECTOR Y21** **CONNECTOR Y22**

Pin	Led	Pin	Led	Pin	Led
1	K Ld40	1	K Ld47	1	K Ld48
2	A Ld40	2	A Ld47	2	A Ld48
3	K Ld38	3	K Ld45	3	K Ld44
4	A Ld38	4	A Ld45	4	A Ld44
5	K Ld36	5	K Ld43	5	K Ld46

6	A Ld36	6	A Ld43	6	A Ld44
7	K Ld34	7	K Ld41	7	K Ld42
8	A Ld34	8	A Ld41	8	A Ld42

CONNECTOR J2

Pin	Function
1	Not used
2	Not used
3	Not used
4	Not used
5	Power Supply Ground
6	+27 Volts Power Supply
7	RS485 Ground
8	Not used
9	Not used
10	RS485 Line -
11	RS485 Line +
12	Not used

CONNECTOR J3

Pin	Function
1	Not used
2	Not used
3	Not used
4	Not used
5	Not used
6	Not used
7	A External Led Fault
8	K External Led Fault
9	A External Led Normal
10	K External Led Normal
11	Not used
12	Not used
13	Not used
14	Not used
15	Not used
16	Not used
17	Not used
18	Not used
19	External Lamp Test Button (see note A)
20	External Lamp Test Button (see note A)

Note A:
It is also possible use SW1 push button presents on PC Board

CONNECTOR J9

Pin	Function
1	+ External Buzzer
2	- External Buzzer

DIP SWITCH

Dip	Function
1	On Off Internal buzzer
2	Add bit 0
3	Add bit 1
4	Add bit 2
5	Add bit 3
6	Zone Block bit 0
7	Zone Block bit 1
8	Not Used

Add bit 0	Add bit 1	Add bit 2	Add bit 3	Mimic Board
On	On	On	On	1
Off	On	On	On	2
On	Off	On	On	3
Off	Off	On	On	4
On	On	Off	On	5
Off	On	Off	On	6
On	Off	Off	On	7
Off	Off	Off	On	8
On	On	On	Off	9
Off	On	On	Off	10
On	Off	On	Off	11
Off	Off	On	Off	12
On	On	Off	Off	13
Off	On	Off	Off	14
On	Off	Off	Off	15
Off	Off	Off	Off	16

Block bit 0	Block bit 1	Selected Zone Block
On	On	1 - 48
Off	On	49 - 96
On	Off	97 - 144
Off	Off	145 - 192

8.System Parameters

8.1 Setting peripheral features

Programming menu -> Configure -> System -> Peripherals 

Here is possible to set peripherals on RS 485.

Remote Keypads (maximum number 16)

Remote Mimic Panels (maximum number 16)

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