

5.1

ekinex
CONTROL YOUR LIVING SPACE

Intrusion Protection Systems Integration Manual



DELÉGO SERVER Visualisation webserver

EK-DEL-SRV01 / EK-DEL-SRV01-M

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1 Introduction

1.1 Scope of this manual

This document contains all the information for configuring and visualising a compatible intrusion detection system inside the DELÉGO SERVER visualisation.

The present user manual is part of the suite of application manuals dedicated to the DELÉGO SERVER, available on the section dedicated to this product in the EKINEX website. Before reading this document, it is recommended to consult the following application manuals:

REF	DOCUMENT	DESCRIPTION
[D1]	DOCUMENTATION PLAN	Overview of the application manuals of DELÉGO SERVER
[D2]	GENERAL FUNCTIONS - APPLICATION USER MANUAL	General installation manual of the webserver

These documents are available for download in the area of the EKINEX website dedicated to the webserver.

1.2 Conventions

The following conventions are used in this manual:

[KEY]	The keyboard keys that the installer must press are shown in square brackets
<i>Courier</i>	Software messages generated by the DELÉGO SERVER configuration software are reported in the “courier” font
<i>Function name</i>	Names of buttons, table fields or other graphic elements of the user interface of the DELÉGO SERVER configuration software are shown in italics
	Information note
	Important note that requires particular attention

1.3 Safety information

DELÉGO SERVER is a product intended for trained and specialized personnel only; anyone who interacts with the device must first read this documentation, especially this safety information. This document supplements and does not replace any legislation or legal directives on safety.

The device has been developed following the safety regulations currently in force; however, it is not possible to exclude with certainty possible damage or interactions with other devices during its operation. The device complies with EMC guidelines and harmonized European standards; any modifications to the device may affect EMC compatibility.

The supply voltage must be strictly within the range indicated in the GENERAL FUNCTIONS application manual and on the device; risk of fire or explosion if powered outside this range. The CE declaration of conformity of the device can be requested from EKINEX®, at the references on the site www.ekinex-delego.com.



In compliance with Directive 2002/96/EC the DELÉGO SERVER electronic device must be disposed of in the appropriate facilities and not in the collection of solid urban waste.

1.4 Warnings

- This application manual is aimed at installers, system integrators and designers.
- The assembly, electrical connection, configuration and commissioning of the appliance can only be carried out by specialized personnel in compliance with the applicable technical standards and the laws in force in the respective countries
- Opening the appliance case causes the immediate interruption of the warranty period
- In the event of tampering, compliance with the essential requirements of the applicable directives for which the appliance has been certified is no longer guaranteed.
- EKINEX defective appliances must be returned to the manufacturer at the following address:
Ekinex S.p.A. Via Novara 37, 28010 Vaprio d'Agogna (NO)

1.5 Copyright

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This application manual, the DELÉGO SERVER software and the DELÉGO iOS and Android apps are subject to copyright; all rights are reserved. Copying, reproduction, translation and/or modification, even partial, are expressly prohibited unless approved in writing by EKINEX®.

1.6 Open Source Licenses

DELÉGO SERVER contains open source software, such as the Linux operating system and its kernel. These software components are subject to various open-source licenses, including:

- GNU General Public License (GPL), <https://www.gnu.org/licenses/gpl-2.0.html>
- GNU Lesser General Public License (LGPL), <https://www.gnu.org/licenses/lgpl-2.0.en.html>

If you own a product, for a period of 3 years from the last production date, you can request from EKINEX the source code of the software components licensed under the GNU General Public License (GPL) or the GNU Lesser General Public License (LGPL), and use, distribute and modify them in accordance with the respective licenses.

EKINEX cannot be considered responsible in any way for the source code thus distributed, which is provided without guarantees. EKINEX cannot also be held responsible for any damage or consequence resulting from modifications (additions / removals) made to this software by third parties, unless specifically authorized.

1.7 More information

- For further information on the product, you can contact EKINEX technical support® to the e-mail address: support@EKINEX.com or consult the website www.EKINEX.com
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The company reserves the right to make changes to this documentation without notice.

2 General overview

In the field of building security technologies, DELÉGO is able to control natively supported anti-intrusion systems, through a connection - depending on the case - via LAN or USB / SERIAL network.

Compared to integration via external gateways (such as an intrusion control panel interfaced via KNX), native supervision is safer, because it uses protocols certified by the security system manufacturer and provides for an encrypted exchange of information.

Furthermore, the native interfacing of a security system offers the maximum degree of flexibility, given that it typically provides control of every single aspect of the integrated system.

2.1 Creation of a control panel

Once the license code of the desired technology has been entered, DELÉGO SERVER provides a dedicated section in the area

INTEGRATIONS > SECURITY

of the configuration menu, based on the license entered.

By expanding this section, and the corresponding CONTROL PANELS item, it is possible to add a new control panel, using the ADD (+) button in the toolbar at the bottom. Depending on the chosen technology, it is possible to create a single control panel, or communicate with multiple control panels at the same time; for further details, please refer to the subsequent sections of this manual.

Once the new control panel card has been opened, it is possible to set the general communication parameters, which depend on the type of technology chosen; Furthermore, in the subsequent sections of the page, it is possible to create sub-objects that represent the different functions of the anti-intrusion system, the number of which depends on the specific configuration and the number of devices installed.

The following table summarizes the types of functions made available by the different technologies:

TECNOALARM	BENTEL	PARADOX	ELMO/IESS	AXEL
Programs	Areas	Areas	Sectors	Areas
Zone	Zone	Zone	Entrances	Zones
	Output	Utility Key	Get out	
Central States	Central States	Central States	Central States	Central States

2.2 Adding features

To add one or more functions, specify the number of objects to create in the appropriate field and press the ADD button; new objects are numbered progressively starting from the last number used. The numbering reflects what is configured within the control panel and therefore functions as a reference key for the security system.

Once the sub-objects have been created, you can:

- Assign an identifying label (e.g. location of a sensor)
- Modify any detailed parameters by accessing their tab
- Drag them into one or more environments, to allow their management in navigation by floors, as well as in the specific dedicated section of supervision
- Use them within logic or as triggers for automatic actions (scenarios, notifications etc...)

2.3 Central States

A particular type of sub-objects is represented by central states. In this case, it is not possible to specify the number: by pressing the ADD button, based on the type of control panel, a number of elements are created which each represent a state or alarm of the central system.

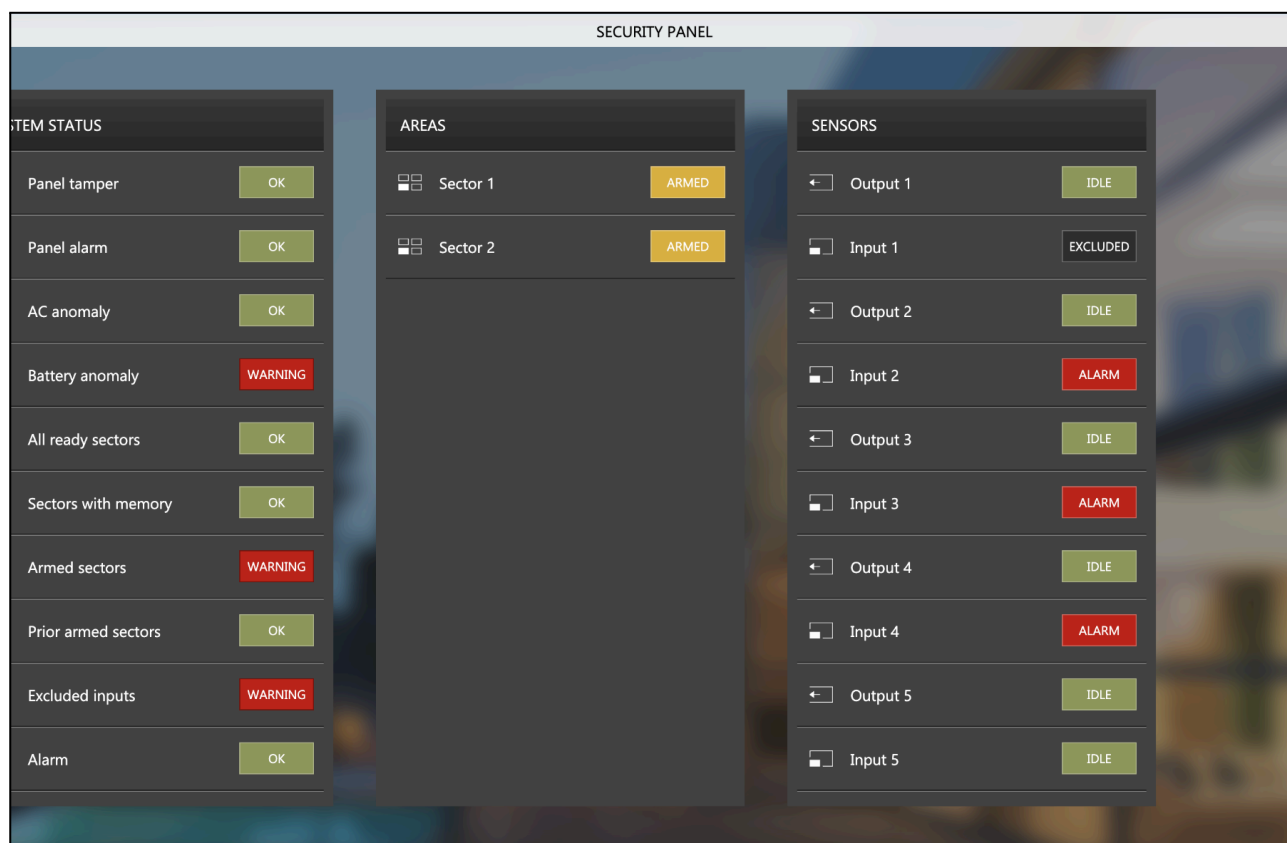
Also in this case, once the creation procedure has been completed, it is possible to change the default name, or assign states to an environment, or even use these objects within logic, for example to execute commands on the KNX system or scenarios, given the state of the system.

2.4 Visualization

Once the anti-intrusion system has been configured and communication has started, move to the viewing environment and select the item

SECURITY

it is possible to manage the entire anti-intrusion system through a control panel similar to the following figure:



Depending on the type of integrated control panel, the following sections are available:

SYSTEM STATUS	Contains the central states and any general commands
AREAS	Contains the list of areas, programs or sectors (depending on the specific nomenclature of the control panel manufacturer) through which it is possible to insert the anti-intrusion system
SENSORS	Contains all the zones / inputs of the system and any outputs
LOG	Where available, it allows you to consult the security control panel log

When accessing from a smartphone, given the limited size of the screen, one section is displayed at a time; it is possible to switch from one section to another via the toolbar at the bottom.

3 Tecnoalarm

3.1 Compatibility

DELÉGO is able to communicate with all TECNOALARM control units that offer the TECNO-OUT protocol. This protocol may require an additional license to enable.

Communication can take place via LAN or via direct USB connection. It is possible to manage only one intrusion control panel.

3.2 Preparation of the control panel

NETWORK COMMUNICATION

Inside the control panel configuration software, in the LAN configuration section, it is necessary to select the "Enable" flag and enter the network parameters, making sure they are compatible with DELÉGO (same subnet).

Configurazione LAN

LAN | Server | Client | Extra | DDNS - SNTP | Email

☒ Abilitazione

IP address: 192.168.1.200

Subnet mask: 255-255-255-0

Gateway: 192.168.1.1

DNS: 192.168.1.1

ATTENZIONE : i parametri verranno inviati esclusivamente in prima programmazione ID=FFFF

OK Annulla ?

In the SERVER section it is possible to configure up to 4 accesses for "generic tasks", such as via iOS-Android apps, remote monitor software etc... DELÉGO does not fall into this category, having to be

configured in the Tecno-out section (as detailed below) however it is important to check that the configuration of the "generic" servers does not conflict with the subsequent configuration of DELÉGO.

If you need to use one of the 4 "generic" servers, it is important to make sure that the port is unique for each server, and different from the port subsequently configured in the Tecno-Out section. The port can be any number greater than 10,000 and less than 65,535.

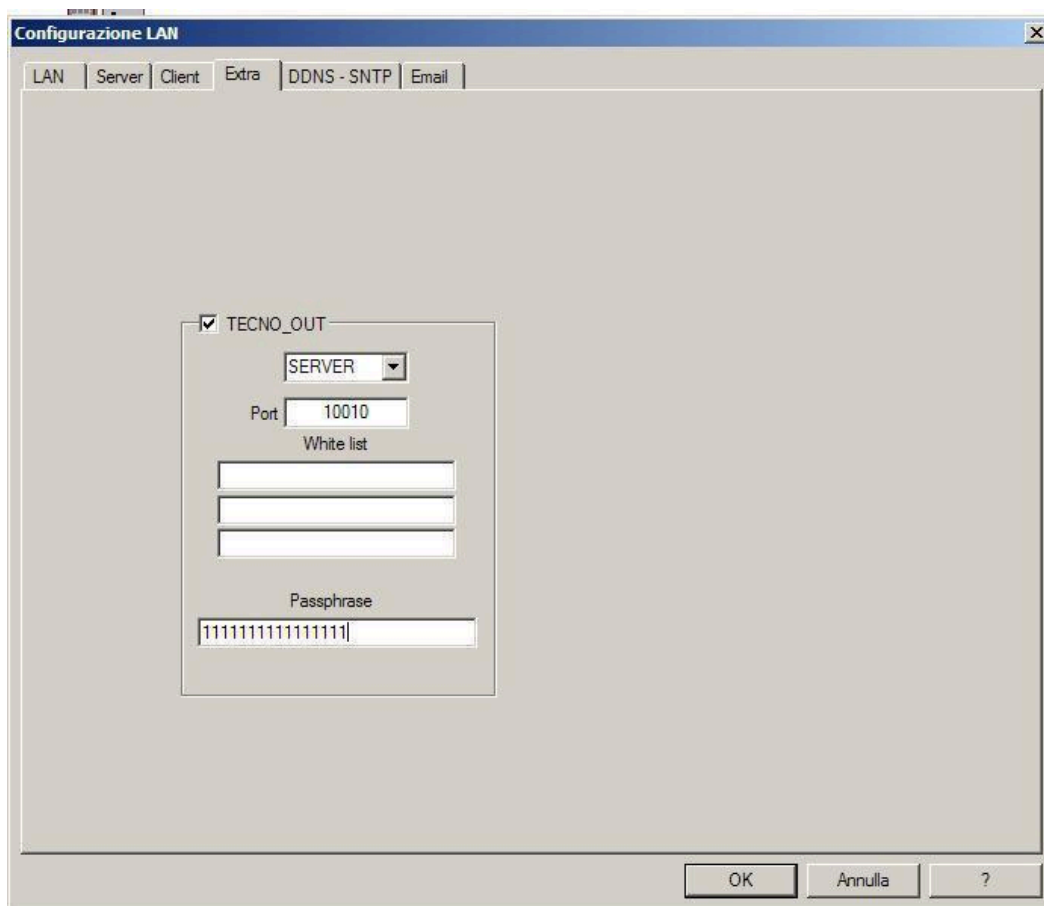
In the TECNO-OUT tab it is possible to configure dedicated access to the Tecno-out server, therefore reserved for DELÉGO. In particular it is necessary:

- Enable the protocol using the appropriate enable box
- Select "SERVER" mode
- Insert a port with a number greater than 10,004, consistently with what was seen previously (port greater than 10,000 and unique)
- Enter a passphrase that serves as the basis for encrypting communication



It is strongly recommended to enter an alphanumeric passphrase that is not easily reproducible, possibly "pseudo random", because the encryption algorithm for data transit on the LAN network and therefore the security of the system is based on this parameter.

For the correct functioning of DELÉGO, furthermore, the passphrase can be 16 or 32 characters long; based on the length, DELÉGO must be appropriately configured as detailed below.



NOTE

- For the basic operation of the integration there are no configurations of the "Whitelist" parameters, please refer to the official Tecnoalarm documentation for this type of setting.
- The programming of these 3 phases is sent to the control unit and set correctly only when a complete sending is carried out in "first programming of the control unit" mode (as reiterated several times at the bottom of the sheets themselves): to make this happen, it is necessary to set from keypad the control panel identifier to FFFF and send the complete programming. To change the control panel identifier you need to log in from the console with the installer code (factory default 54321) and go to the "Telephone" - "Callback" - "Identifier" menu: with the upward arrow you delete the 4 numbers of the pre-existing identification code, by typing "yes"+"6" four times, the FFFF identifier is entered. By pressing "Exit" until you return to the date and time on the console, the data is stored. At this point it is necessary to completely re-download the configuration to the control panel using the Tecnoalarm software and proceed with testing.
- Integration access code: even in the preliminary phase it is necessary to use a code with sufficient rights to be able to act on the various functions of the control panel. To facilitate the task, it is strongly recommended to use the master code in order to verify the correctness of the functionality integrated between DELÉGO and the power station.

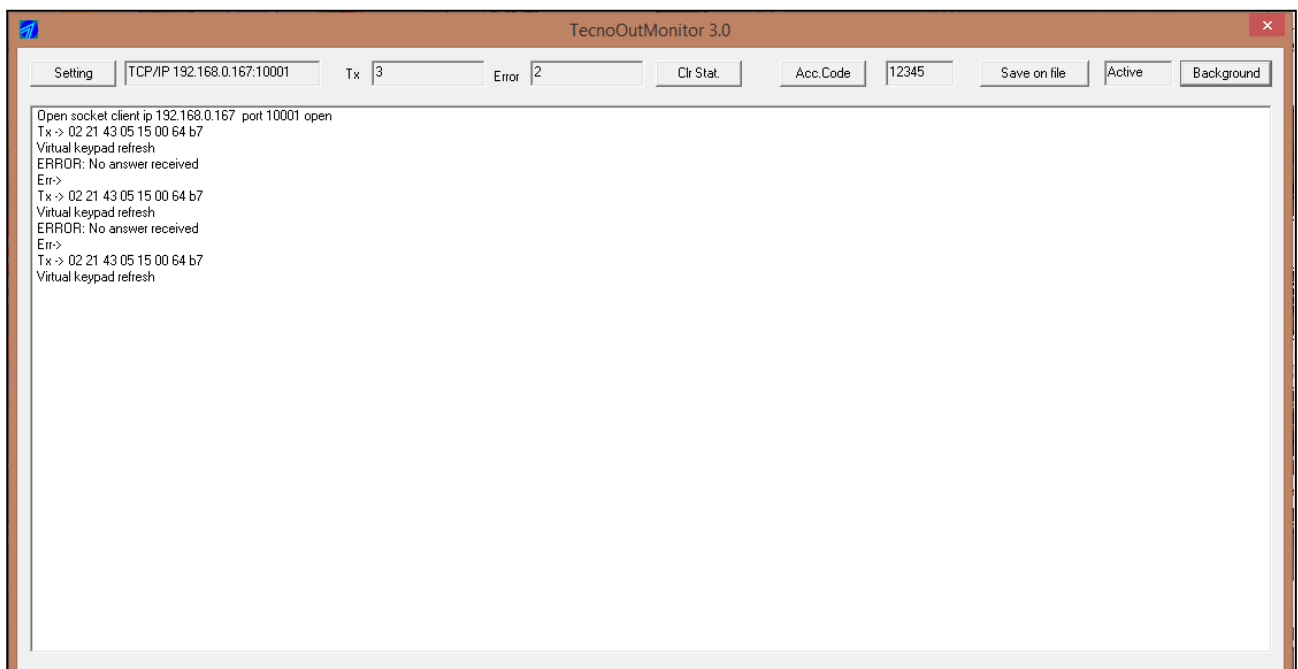
Furthermore, in the case of communication via network, after each change to the control panel configuration, it is of fundamental importance to carry out the following steps:



- Set the control unit in “first programming” mode
- Enter the master code
- Reset panel ID to “FFFF”

3.3 Communication check

Before tackling the integration into DELÉGO, we recommend checking communication using the TECNO-OUT MONITOR program, available for WINDOWS PCs.



3.4 Configuration

In the tab of the TECNOALARM control unit inside DELÉGO, the following information is requested:

NAME	Identification name for the control panel, used within DELÉGO
USER CODE	A valid numeric code to authenticate on the control panel.

	This code is used for all non-interactive operations (e.g. periodic status request, central LOG reading etc...) therefore it must have access to these functions
ACTIVATE	Establishes whether communication should be enabled or not. If you deactivate this option, the control panel configuration is retained in the project but not used.
COMMUNICATION	It allows you to establish whether communication should take place via USB/serial connection or via network

The screenshot shows the 'delégo' web interface. On the left is a dark sidebar menu with options like 'Setup', 'Tecnologie', 'Piani', 'Funzioni', etc. The main area is titled 'Proprietà dell'oggetto' and contains configuration fields for 'Centrale TecnoAlarm 1'. Fields include 'Nome', 'Codice Utente', 'Attiva' (checked), 'Comunicazione' (set to 'Rete'), and a 'Rete' section with 'Indirizzo IP', 'Porta IP' (10001), 'Chiave di crittografia', and 'Lunghezza chiave' (16 caratteri). Each network field has a 'CHECK' button. Below these are sections for 'Zone associate', 'Programmi associati', and 'Stati centrale', each with a table header and 'AGGIUNGI'/'AGGIORNA' buttons. At the bottom, there's a 'Centrale TecnoAlarm 1' tab and a status bar.

Depending on the communication mode chosen, it is possible to set this additional information:

PARAMETER	COMMUNICATION	DETAILS
PORT	USB	Allows you to select the communication port to use

IP ADDRESS	NET	IP address of the control panel
IP PORT	NET	Communication port (default: 10001)
ENCRYPTION KEY	NET	Keyword defined in the control panel as the basis for calculating the communication encryption
KEY LENGTH	NET	Keyword length

Once this information has been specified, it is necessary to press the “UPDATE CONF” button to activate the communication. This operation is necessary whenever the user code or communication port is changed.

The CHECK button allows you to check the correctness of the configuration, in particular:

- In the case of a USB connection, check that the corresponding port is connected to a device
- In the case of a LAN connection, check that the IP address corresponds to a device on the network

The screenshot shows the 'delégo' web interface for 'Centrale TecnoAlarm 1'. The left sidebar contains a menu with categories like 'Setup', 'Tecnologie', 'Funzioni', and 'Servizi'. The main area displays three configuration sections:

- Zone associate:** A table with columns 'NOME' and 'NUMERO'. It lists zones 1 through 6.
- Programmi associati:** A table with columns 'NOME' and 'NUMERO'. It lists programs 1 through 3.
- Stati centrale:** A table with columns 'NOME', 'VISIBILE', and 'STATO'. It lists various system states such as 'StandBy generale', 'Stato guasti generale', 'Stato batteria bassa generale', and 'Stato allarme programmi'.

Each section has an 'AGGIUNGI' (Add) and 'AGGIORNA' (Update) button at the top right.

As already seen previously on a general level, once the communication parameters have been configured, it is possible to insert the objects representing the programs (insertions) and the zones (inputs) through the appropriate ADD buttons in the sections of the same name; in a similar way, it is possible to create the list of objects that represent the different status/error signals of the control panel.

3.5 Log

The TECNO-OUT communication protocol allows you to read the log inside the control panel and show it in DELÉGO; in this way, it is possible to have feedback on the functioning signals and actions carried out on the security system, not only transmitted through the webserver, but also through keyboards, inserters etc.

To consult the logs in the administration of DELÉGO, select the item

INTEGRATIONS > SECURITY > TECNOALARM > LOG

The following screen is shown:

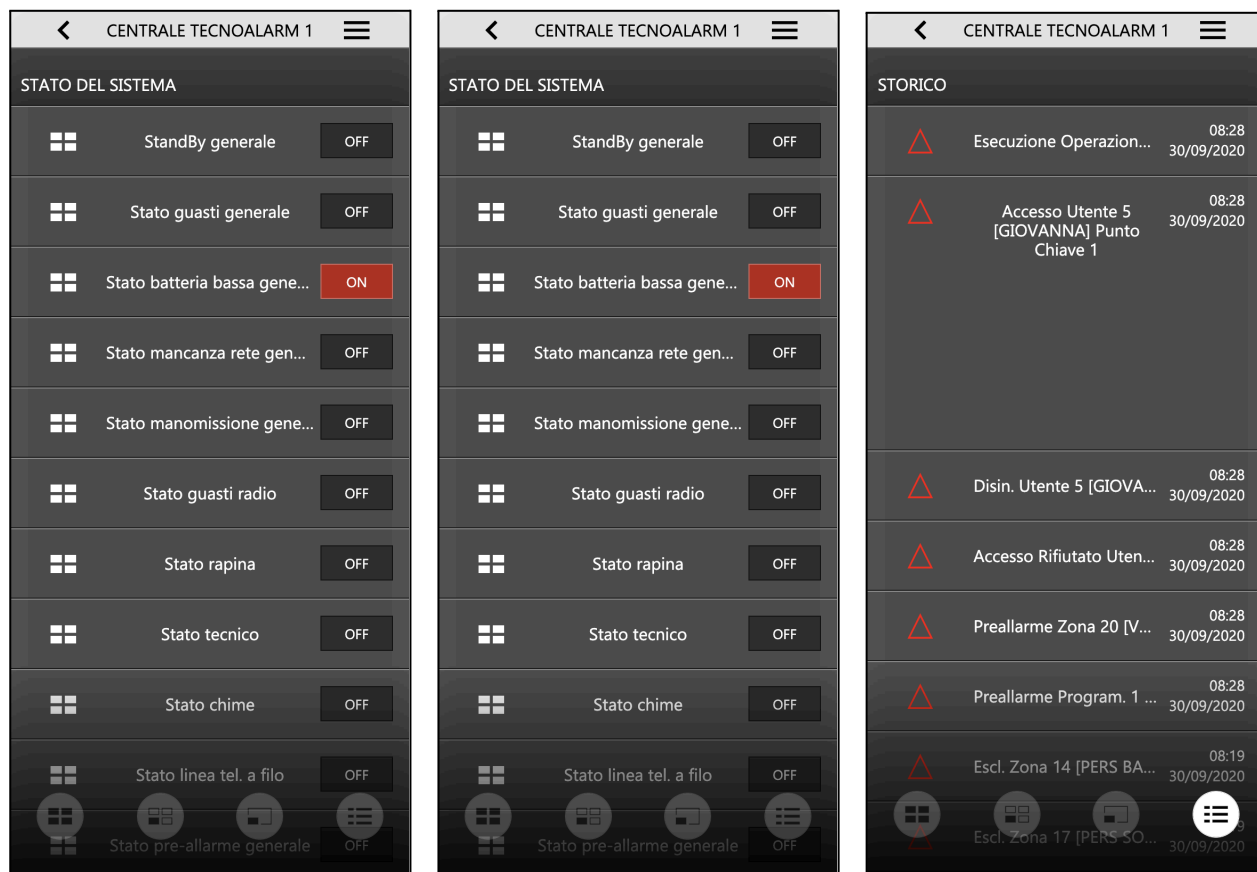
The screenshot shows the DELÉGO web interface. On the left is a sidebar menu with options like Setup, Tecnologie, and Sonos. The main area is titled 'Criteri di ricerca' and 'Elenco risultati (21 di 21)'. It displays a table of log entries with columns for DATA, ORA, LIVELLO, and MESSAGGIO. The table shows various alarm events from 30/09/2020 at 08:28 and 08:19. At the bottom, there is a 'Consulta log' button and a toolbar with icons for filtering and pagination.

DATA	ORA	LIVELLO	MESSAGGIO
30/09/2020	08:28	Allarme	Esecuzione Operazione 3
30/09/2020	08:28	Allarme	Accesso Utente 5 [GIOVANNA] Punto Chiave 1
30/09/2020	08:28	Allarme	Disin. Utente 5 [GIOVANNA] Program. 1 [FUORI CASA] Punto Chiave 1
30/09/2020	08:28	Allarme	Accesso Rifiutato Utente 5 [GIOVANNA] Punto Chiave 1
30/09/2020	08:28	Allarme	Preallarme Zona 20 [VOL EXT INGRESSO]
30/09/2020	08:28	Allarme	Preallarme Program. 1 [FUORI CASA]
30/09/2020	08:19	Allarme	Escl. Zona 14 [PERS BAGNO P.0]
30/09/2020	08:19	Allarme	Escl. Zona 17 [PERS SOGGIORNO]
30/09/2020	08:19	Allarme	Escl. Zona 25 [PERS. CAM 1]
30/09/2020	08:19	Allarme	Escl. Zona 27 [PERS. CAM 2]
30/09/2020	08:19	Allarme	Escl. Zona 29 [PERS. BAGNO P. 1]
30/09/2020	08:19	Allarme	Escl. Zona 31 [PERS. CAM 3]
30/09/2020	08:19	Allarme	Inser. Utente 2 [MARIO] Program. 1 [FUORI CASA] Punto Chiave 1
30/09/2020	08:19	Allarme	Isolamento Avanz. Zona 27 [PERS. CAM 2]
30/09/2020	08:19	Allarme	Isolamento Avanz. Zona 29 [PERS. BAGNO P. 1]
30/09/2020	08:19	Allarme	Isolamento Avanz. Zona 31 [PERS. CAM 3]
30/09/2020	08:19	Allarme	Esecuzione Operazione 25
30/09/2020	08:19	Allarme	Isolamento Avanz. Zona 14 [PERS BAGNO P.0]
30/09/2020	08:19	Allarme	Isolamento Avanz. Zona 17 [PERS SOGGIORNO]
30/09/2020	08:19	Allarme	Isolamento Avanz. Zona 25 [PERS. CAM 1]
30/09/2020	08:19	Allarme	Accesso Utente 2 [MARIO] Punto Chiave 1

Through the fields at the top you can filter the search results and move between the various results pages. It is also possible to export the log in CSV format.

3.5.1 Visualization

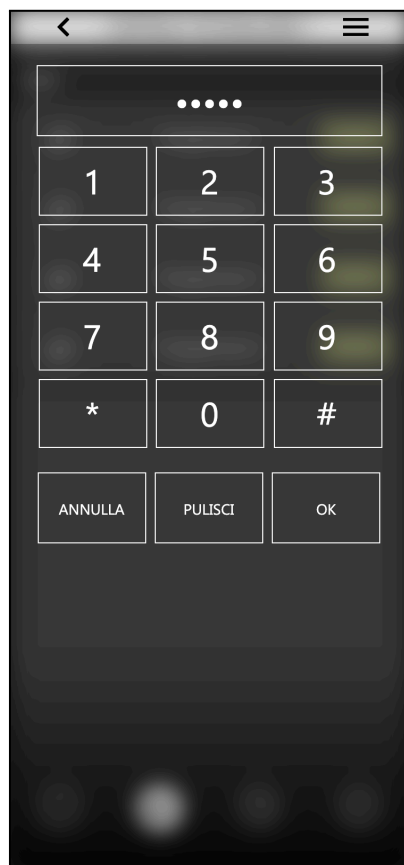
The control center in visualization of the TECNOALARM system allows you to manage the PROGRAMS, ZONES and CENTRAL STATES as already seen on a general level; Furthermore, it is possible to consult the control panel log by selecting the appropriate button in the toolbar at the bottom (if accessed from a smartphone) or by scrolling on a tablet / desktop to the corresponding panel:



By pressing a specific message in the log list, the corresponding record is expanded to allow reading in case of long messages.

To insert a program, press the corresponding status button (normally REST); you are asked to enter your PIN, as exemplified in the figure below. If the PIN entered is correct, after a few seconds the program switches to the ARMED state.

Similarly, it is possible to exclude individual zones of the system.

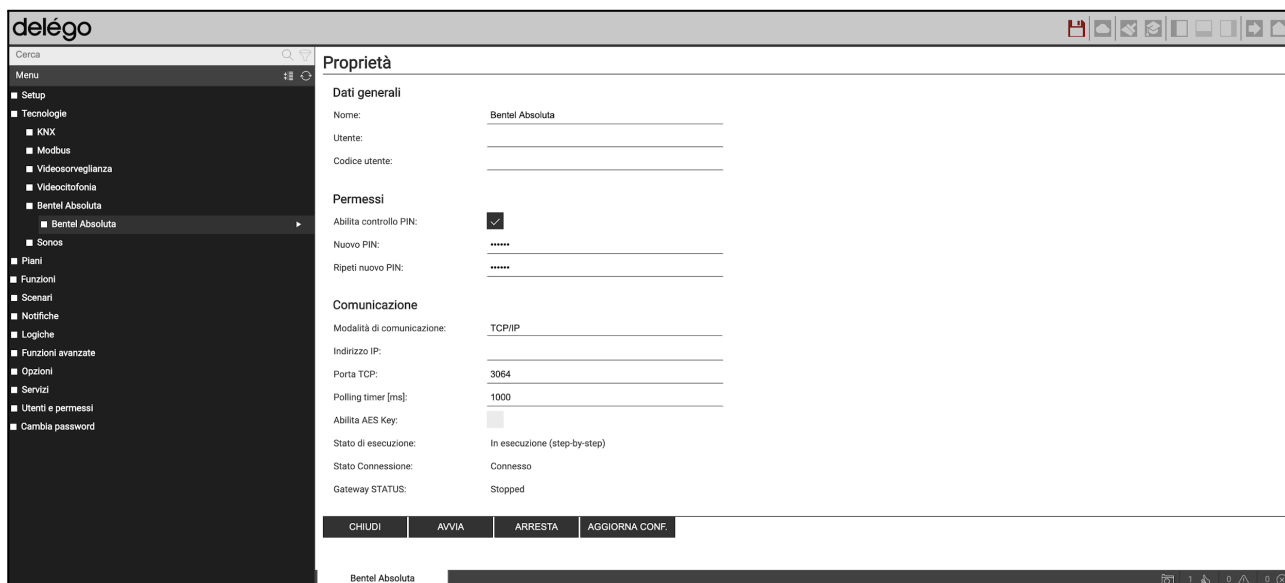


The PIN inserted in the DELÉGO graphic is passed to the control panel for validation; it is therefore possible to use the same user PIN that is used to interact with the anti-intrusion system, for example, via the keyboard. DELÉGO does not process or validate the PIN to authorize commands.

4.2.1 Central configuration

In the BENTEL ABSOLUTA control panel card inside DELÉGO, the following information is requested:

NAME	Identification name for the control panel, used within DELÉGO
USER USER CODE	Identification number of a valid user on the control panel, and related access code This code is used to interact with the control panel; the user must have the necessary control rights
PIN CONTROL	Enables validation of commands by DELÉGO and allows you to set a control PIN valid for all objects associated with the control panel. It is possible to subsequently specialize the PIN for each sub-object, through its detail sheet.
COMMUNICATION METHODS	Set TCP/IP
IP ADDRESS IP PORT	Enter the control panel address and port 3064 unless otherwise indicated
POLLING TIMER	Specify a waiting time (in ms) between one status query and the next. Default value: 1000
AES KEY	Allows you to enable communication encryption with an AES key, to be indicated in the appropriate field; refer to the configuration carried out via BOSS software



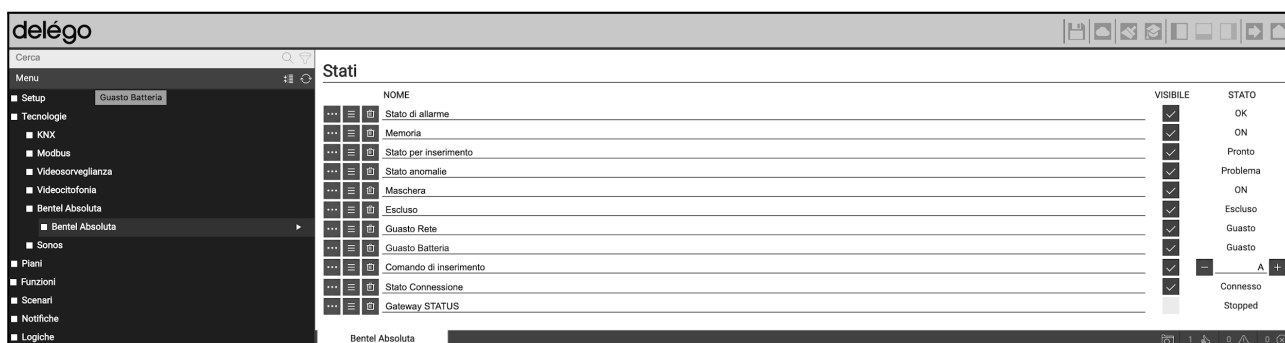
The following status indicators are also available:

STATUS OF EXECUTION	Highlights whether the DELÉGO communication gateway is running
CONNECTION STATUS GATEWAY STATUS	State of effective communication with the control panel. Useful for diagnosing any problems of misalignment with the security system

Once the communication parameters have been configured, start the gateway with the START button; in the event of any subsequent changes, press UPDATE CONF so that they are implemented.

4.3 Central States

When the control panel is created, the following general states are made available:



Once communication is started, they are automatically aligned with the control panel. It is possible to establish which of them are visible in the display by acting on the corresponding VISIBLE flag.

Among these, the general command is also available

INSERT COMMAND

through which it is possible to force a simultaneous insertion of the entire system, in one of the possible partialized states (A, B, C or D). All other items in the list are read-only.

4.4 Areas, zones and outputs

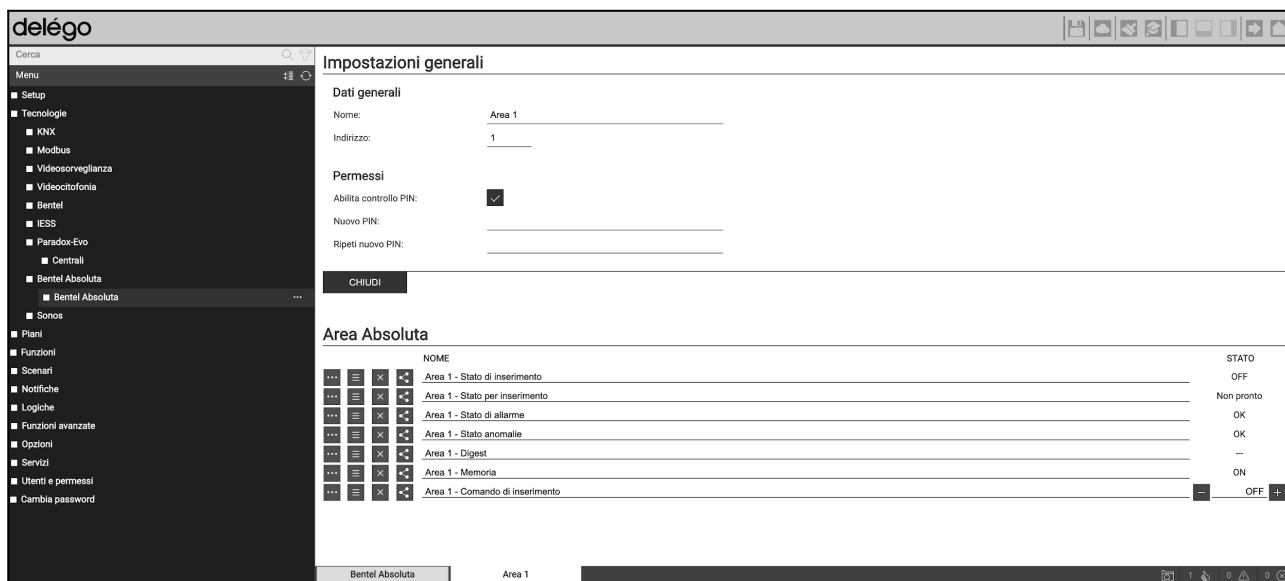
It is possible to define the AREAS, ZONES and OUTPUT (central outputs) within DELÉGO using the ADD button in the corresponding sections of the page:

The screenshot shows the DELÉGO web interface. On the left is a sidebar menu with the following items: Cerca, Menu, Setup, Tecnologie (with sub-items: KNX, Modbus, Videosorveglianza, Videocitofonia, Bentel, IESS, Paradox-Evo, Centrali, Bentel Assoluta, Bentel Assoluta), Sonos, Piani, Funzioni, Scenari, Notifiche, Logiche, Funzioni avanzate, Opzioni, Servizi, Utenti e permessi, and Cambia password. The main content area is titled 'delégo' and contains three sections: 'Area', 'Zone', and 'Output'. Each section has a table with columns for 'NOME', 'NUMERO', and 'STATO'. The 'Area' section has 4 rows (Area 1 to Area 4). The 'Zone' section has 8 rows (Zona 1 to Zona 8). The 'Output' section has 4 rows (Output 1 to Output 4). Each table has an 'AGGIUNGI' button and an 'AGGIORNA' button. At the bottom of the interface, there is a status bar showing 'Bentel Assoluta' and several icons.

By accessing the detail sheet of an area, it is possible to change its number (which is also possible in the general list) and, if desired, set a PIN different from the general one.



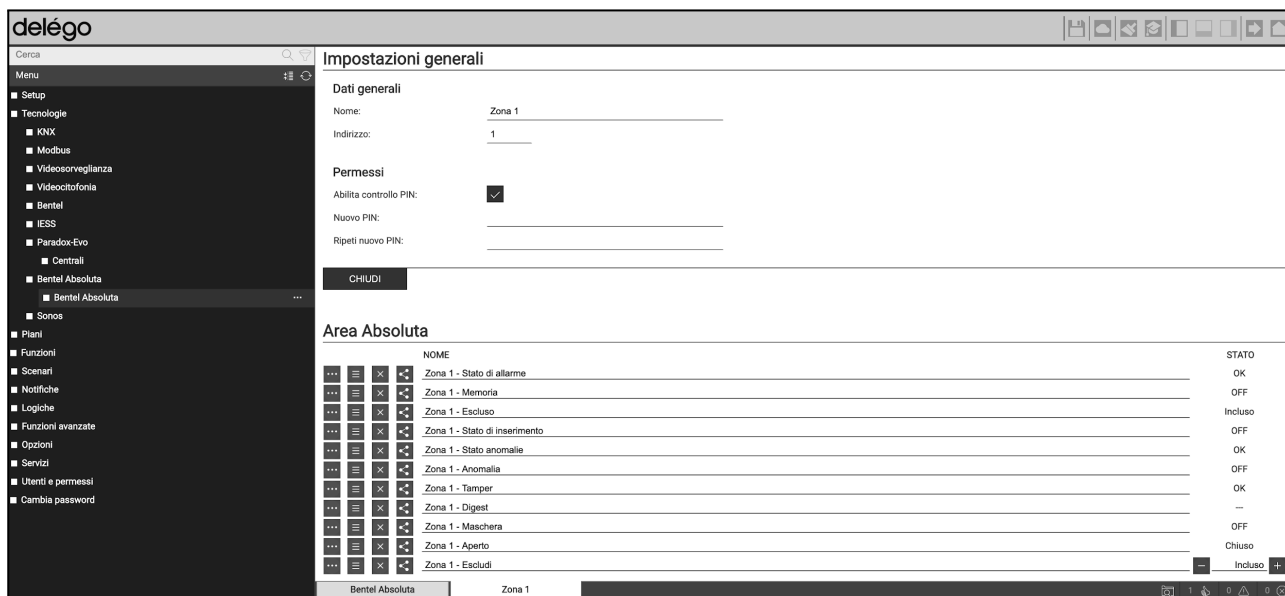
If, after changing a PIN at a single area level, you change the control unit PIN again, the latter will be applied again to all sub-objects, therefore invalidating the specific PIN.



The list at the bottom of the page allows you to manage all the individual aspects of the area; it is also possible to force an insertion command, using the appropriate element.

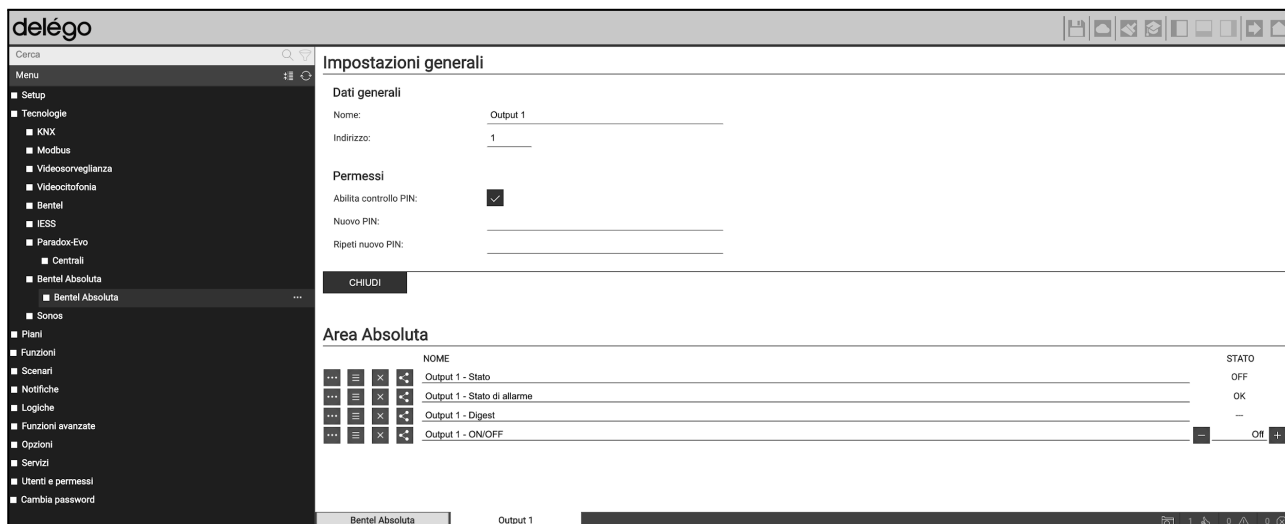
The individual objects in this list not only allow you to control the status of an area, but can be associated with other elements of supervision, through logic or as *trigger* to perform actions (e.g. KNX commands, scenarios, notifications etc...)

In a completely similar way, by accessing the tab of a zone, the following is shown:



Also in this case, in addition to monitoring individual aspects of the sensor, it is possible to send an exclusion command.

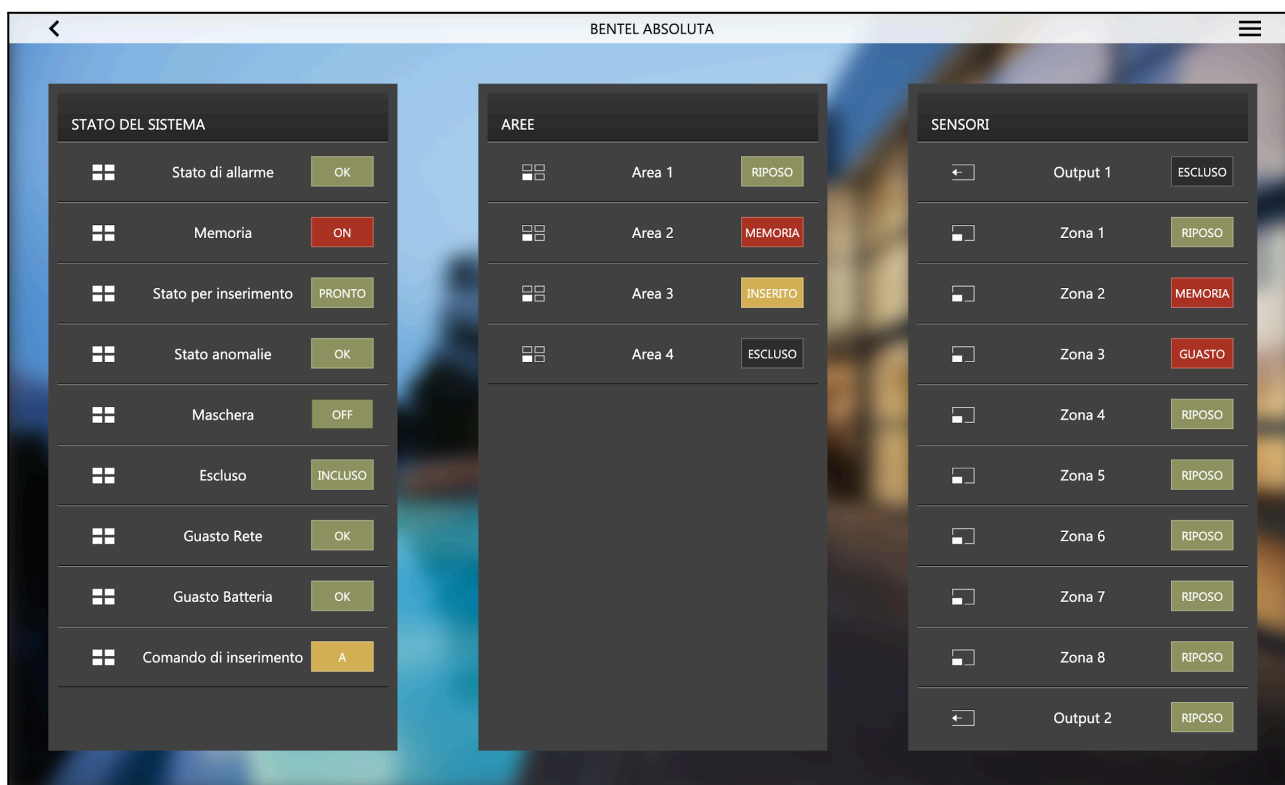
Finally, the detail sheet of an OUTPUT of the control unit allows you to control it and view what state it is in at a given moment.



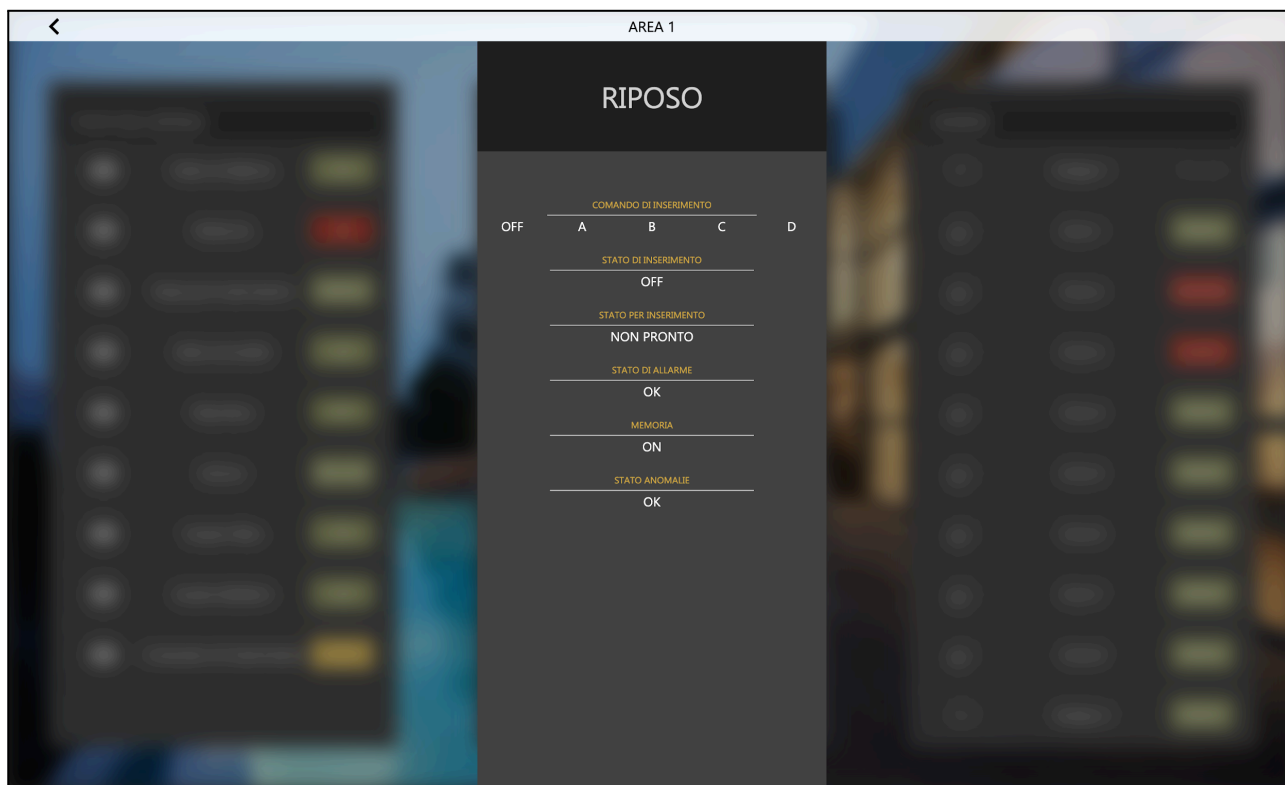
In all the element types seen previously, the "digest" sub-object is available; it represents a state of synthesis, based on priority among the other available states, and is the graphic element that is reported in the supervision, with an associated color, depending on whether it is a state of exclusion (grey), rest (green), activation (yellow) or alarm (red).

4.5 Visualization

The control center in visualization of the BENTEL ABSOLUTA system allows you to manage the AREAS, ZONES, OUTPUTS and CENTRAL STATUS as already seen on a general level.



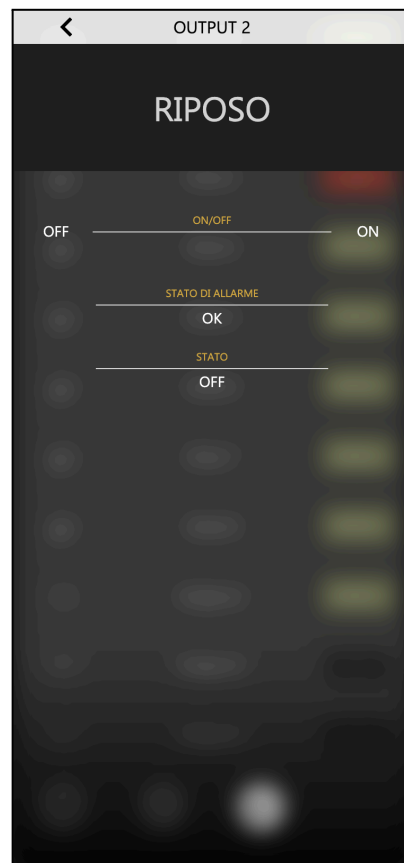
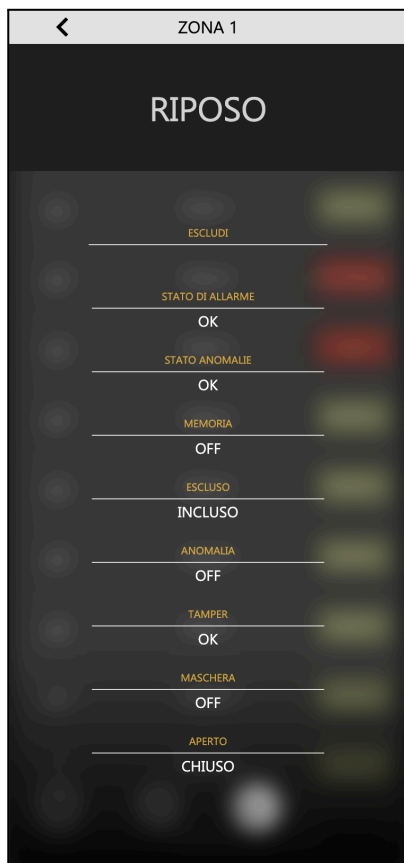
By pressing on an area, the following detailed pop-up is displayed:



The upper portion highlights the state of synthesis of the area; the first element below allows you to carry out an arming command, in one of the partitions A...D, or to disarm; you are asked to enter a PIN to validate the operation.

The subsequent elements are read-only, and highlight the different states in which the area is found.

Similarly, by accessing the ZONE and OUTPUT pop-ups, the list of states in which they are found is listed and, in the case of the outputs, the ON/OFF control selector is made available:



The PIN inserted in the DELÉGO graphics is validated by the webserver, based on what is set in the configuration sections seen previously. These PINs do not necessarily coincide with what is set at the control panel level.

5 Paradox Evo

5.1 Compatibility

DELÉGO is able to communicate with the PARADOX control units of the EVO family via serial communication; it is necessary to provide the PRT-3 PRINTER MODULE in order to establish a connection between the two systems.

This integration allows the management of a single control panel.

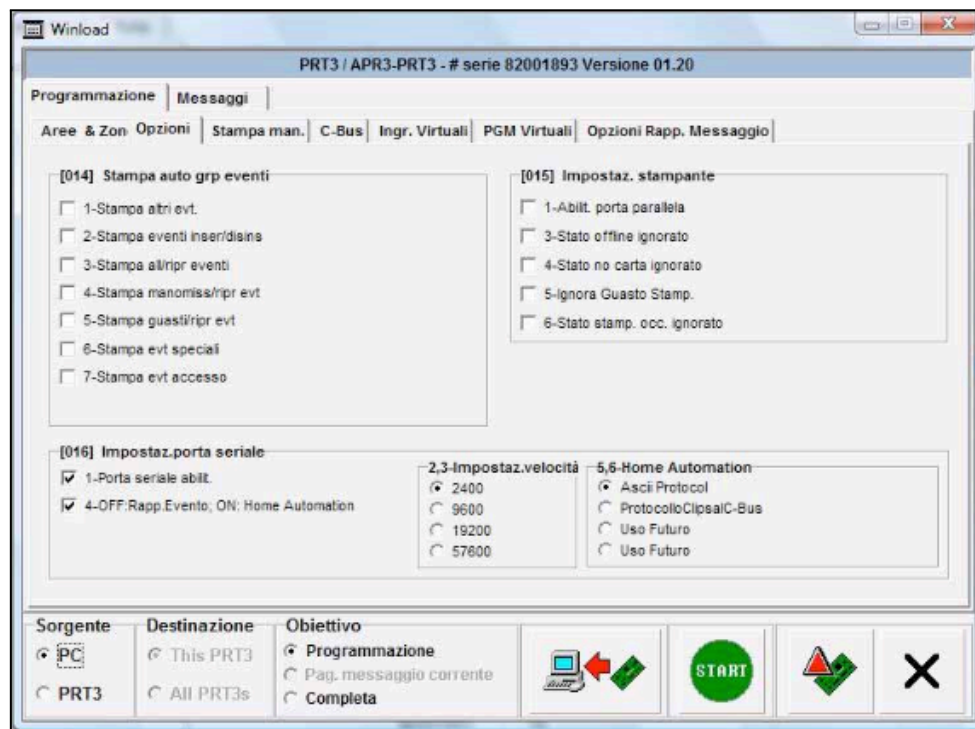


This type of integration is only available in the 4 DIN module hardware version

5.2 Preparation of the control panel

PRT-3 MODULE

The communication module must be installed and configured as shown in the following screenshots:



APR3-PRT3 Programmazione

File Edit

Nome

Localizzazione

Seriale #

Module 006

82004BC3

Programmazione

Messaggi

Zone e Codici

Opzioni

Stampa Manuale

Ingresso Virtuale

PGM Virtuale

C-Bus

Opzioni Rapporto/Messaggi

Sezione	Funzione	Valore
Stampa automatica gruppo eventi		
[014]/1	Stampa Eventi Misc	☒
[014]/2	Stampa eventi inserimento e disinserimento	☒
[014]/3	Stampa eventi ripristino allarmi	☒
[014]/4	Stampa eventi ripristino manomissione	☒
[014]/5	Stampa eventi ripristino guasti	☒
[014]/6	Stampa eventi speciali	☒
[014]/7	Stampa eventi accesso	☒
Opzioni programmazione Stampante		
[015]/1	Porta parallela abilitata	☐
[015]/3	Stato Offline ignorato	☐
[015]/4	Stato fine carta ignorato	☐
[015]/5	Stato guasto stampante ignorato	☐
[015]/6	Stato stampante busy ignorato	☐
Opzioni programmazione porta seriale		
[016]/1	Porta seriale abilitata	☒
[016]/4	OFF: Rapporto Eventi; ON: Home Automation	☒
[016]/2/3	Programmazione Baud rate	2400
[016]/5/6	Home Automation	Protocollo Ascii

Zone e Codici	Opzioni	Stampa Manuale	Ingresso Virtuale	PGM Virtuale	C-Bus	Opzioni Rapporto/Messaggi
Sezione	Funzione	Valore				
[900]	Area in sicurezza	0				
Opzioni 1 Rapporto						
[901]/1	Rapporto Sicurezza Globale	☒				
[901]/2	Sistema Inserito/Disinserito	☒				
[901]/3	Ritardo Ingresso/Uscita	☒				
[901]/4	Allarme zona/Ripristino allarme zona (da zona 01 a ...	☒				
[901]/5	Allarme Incendio/Ripristino Allarme Incendio	☒				
[901]/6	Rapporto Allarme Silenzioso/Ripristino Allarme Sile...	☒				
[901]/7	Allarme Aggressione	☒				
Opzioni 2 Rapporto						
[902]/1	Batteria Bassa/Ripr. Batteria Bassa (da zona 01 a z...	☒				
[902]/2	Mancanza Rete/Ripristino Mancanza Rete	☒				
[902]/3	Pronto all'inserimento/Non pronto all'inserimento	☒				
[902]/4	Zona aperta / zona ok (da zona 01 a 80)	☒				
[902]/5	Manomissione zona/Ripr. Manom. zona (da zona 01...	☒				
[902]/6	Zona esclusa (da zona 01 a 80)	☒				
[902]/7	Codice immesso su tatsiera	☒				
[902]/8	Guasto TLM/Ripr. Guasto TLM	☒				
Messaggi C-Bus						
[903]/1	Inser. Totale Sistema	☒				
[903]/2	Allarme innalzamento	☐				
[903]/3	Messa C-Bus/Resetto C-Bus	☐				

CENTRAL OUTPUTS

To allow DELÉGO to control the control panel outputs, the following configuration must be set up:

Winload

V. 02.66.01 EVO192 # serie: 0501D5B9 Locaz.:

Zone | Chiavi | Tempi | Accesso | PGM | Opzioni sistema | Aree | Combinatore | Codici rapporto | Cod. utente | Moduli | VDMP3 | C. |

PGM 1 | PGM 2 | PGM 3 | PGM 4 | PGM 5

[0950] Evento attivaz.

048-Tasto utilità prem. [v]

[0951],[0952] inizio gamma: [v]

Tasto prem. 1 [v]

[0953] Fine gamma: [v]

Tasto prem. 1 [v]

[0954] Evento disattivaz.

048-Tasto utilità prem. [v]

[0955],[0956] inizio gamma: [v]

Tasto prem. 1 [v]

[0957] Fine gamma: [v]

Tasto prem. 1 [v]

[0958] Tempo PGM [005]

[0959] (2) Unità tempo [v] Secondi [v] Minuti [v]

[0959] (1) PGM tempor. [v]

[0959] (3) Disatt. temporizzata o evento dis [v]

[0959] (4) Stato PGM (OFF=N/A; ON=N/C) [v]

Sorgente [v] PC [v] Centr. [v]

Questa pag. [v] Tutte [v] Modifiche [v] Include etich. [v]

START [v]

Sezione	Funzione	Valore
Aree		
[001]/1	Area1	☒
[001]/2	Area2	☐
[001]/3	Area3	☐
[001]/4	Area4	☐
[001]/5	Area5	☐
[001]/6	Area6	☐
[001]/7	Area7	☐
[001]/8	Area8	☐
Stampa stato zona		
[002]/1	Zona1	☒
[002]/2	Zona2	☒
[002]/3	Zona3	☒
[002]/4	Zona4	☒
[002]/5	Zona5	☒
[002]/6	Zona6	☒
[002]/7	Zona7	☒
[002]/8	Zona8	☒
[003]/1	Zona9	☒
[003]/2	Zona10	☒
[003]/3	Zona11	☒

5.3 Configuration

In the PARADOX EVO control panel data sheet, the following information is requested:

NAME	Identification name for the control panel, used within DELÉGO
CENTRAL PIN	Numeric code that will be requested from the user to protect the commands sent to the control panel
PORT	Port to which the control panel is connected. Select DELÉGO USB port 1.

delégo

Cerca

Menu

- Setup
- Tecnologie
 - KNX
 - Modbus
 - Videosorveglianza
 - Videocitofonia
 - Paradox-Evo
 - Centrali
 - Centrale Paradox
- Sonos
- Plani
- Funzioni
- Scenari
- Notifiche
- Logiche
- Funzioni avanzate
- Opzioni
- Servizi
- Utenti e permessi
- Cambia password

Proprietà

Dati generali

Nome:

Centrale Paradox

PIN Centrale:

Attiva:

☒

Seriale

Porta

Porta USB 1

CHECK

CHIUDI

AGGIORNA CONF.

Zone

1

AGGIUNGI

NOME	DESCRIZIONE	DETTAGLI
Zone 2		2
Zone 3		3
Zone 4		4
Zone 5		5
Zone 6		6
Zone 1		1

Aree

1

AGGIUNGI

NOME	DESCRIZIONE	DETTAGLI
Area 2		2
Area 3		3
Area 1		1

Utility key

1

AGGIUNGI

NOME	DESCRIZIONE	DETTAGLI
Utility Key 2		2
Utility Key 3		3
Utility Key 4		4
Utility Key 5		5
Utility Key 1		1

Stato centrale

Centrale Paradox

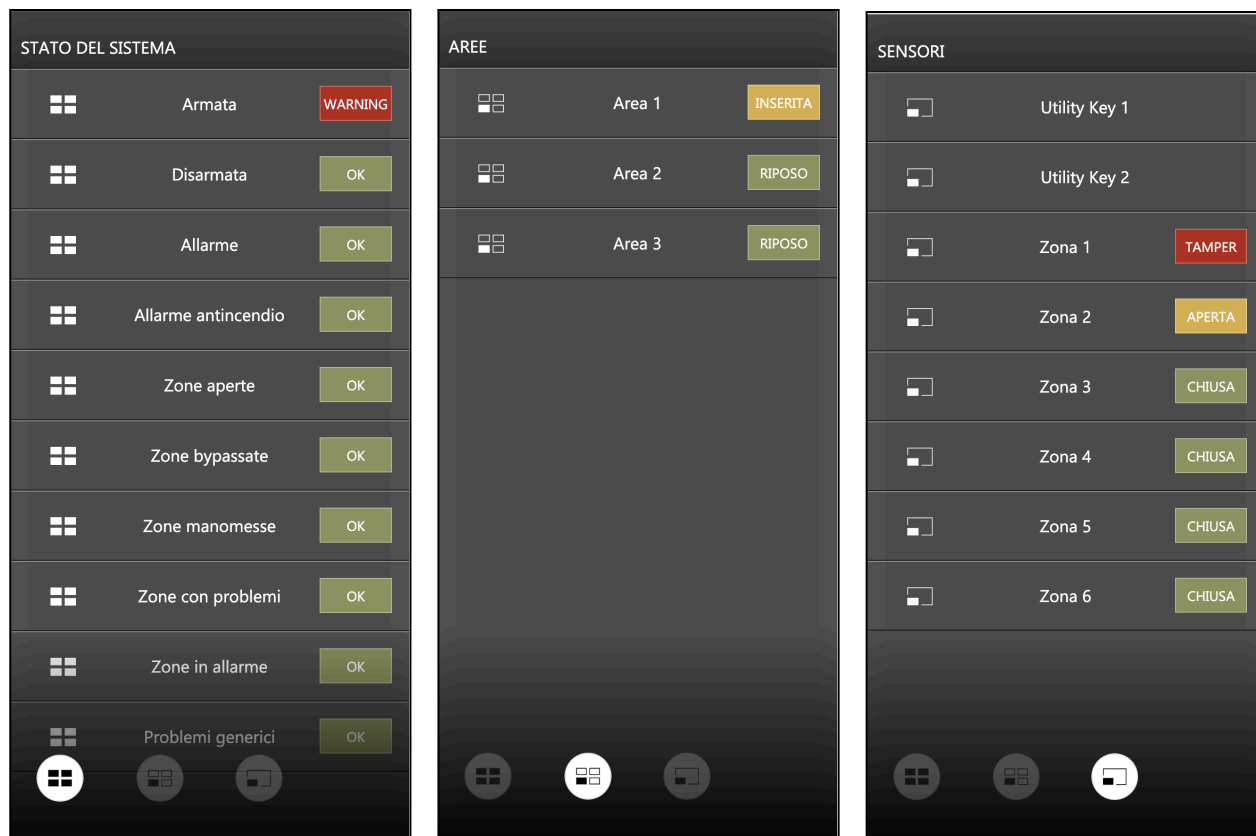
Funzioni

It is possible to define within DELÉGO the AREAS, ZONES and UTILITY KEYS that have been configured in the control unit, using the ADD button in the corresponding sections of the page.

Furthermore, as already seen on a general level, through the ADD button in the CENTRAL STATES section, it is possible to create a set of objects that represent the different states / alarms of the system.

5.4 Visualization

The control center in visualization of the PARADOX EVO system allows you to manage AREAS, ZONES, UTILITY KEYS and CENTRAL STATUS as already seen on a general level.



By pressing on an area, the popup shown below is shown, which allows you to send different types of commands, both in terms of insertion methods and for specific call or reset actions.

Each command with the system is authorized only upon entering the valid PIN, as previously configured.

NON PRONTA
PRONTA

OK
DIAGNOSTICA

INSERITA

ALLARME
OK

OFF

INSERIMENTO

ON

OFF

INSERIMENTO FORZATO

ON

OFF

INSERIMENTO PERIMETRALE

ON

OFF

INSERIMENTO ISTANTANEO

ON

RESET ALLARME FUMO

RESET

CHIAMATA EMERGENZA

INVIA

CHIAMATA MEDICA

INVIA

CHIAMATA ANTINCENDIO

INVIA



The PIN inserted in the DELÉGO graphics is validated by the webserver, based on what is set in the configuration sections seen previously. This PIN does not necessarily coincide with what is set at the control panel level.

6 EL.MO. / IESS

6.1 Compatibility

DELÉGO is able to communicate with the EL.MO. control units. or IESS via USB or LAN communication. This integration allows the management of multiple control panels.

6.2 Central configuration

In the control panel tab inside DELÉGO, the following information is requested:

NAME	Identification name for the control panel, used within DELÉGO
USER USER CODE	Identification number of a valid user on the control panel, and related access code This code is used to interact with the control panel; the user must have the necessary control rights
PIN CONTROL	Enables validation of commands by DELÉGO and allows you to set a control PIN valid for all objects associated with the control panel. It is possible to subsequently specialize the PIN for each sub-object, through its detail sheet.
TYPE OF COMMUNICATION	Select TCP/IP or SERIAL/USB depending on the type of connection chosen. In case of serial connection on the central side, use a USB-RS232 adapter.
IP ADDRESS IP PORT	Enter the control panel address and port 10000 unless otherwise indicated
SERIAL PORT	Select USB port 1 when connecting via USB / serial cable.
POLLING TIMER	Specify a waiting time (in ms) between one status query and the next. Default value: 1000

delégo

Proprietà

Dati generali

ID: 2029

Nome: Centrale

Utente:

Codice:

Parametri opzionali:

Permessi

Abilita controllo PIN: ☐

Comunicazione

Tipo di comunicazione: TCP/IP

Indirizzo IP:

Porta: 10000

Polling timer [ms]: 1000

Stato di esecuzione: Arrestato

Gateway attivo: Errore

Comunicazione con la centrale: Errore

CHIUDI AVVIA ARRESTA AGGIORNA CONF.

Ingressi

NOME	NUMERO	STATO
	1	

AGGIUNGI AGGIORNA

Settori

NOME	NUMERO	STATO
	1	

AGGIUNGI AGGIORNA

Uscite

NOME	NUMERO
	1

AGGIUNGI AGGIORNA

Stati centrale

NOME	STATO
Centrale	

The following status indicators are also available:

STATUS OF EXECUTION	Highlights whether the DELÉGO communication gateway is running
CONNECTION STATUS COMMUNICATION WITH THE HEADQUARTERS	State of effective communication with the control panel. Useful for diagnosing any problems of misalignment with the security system

Once the communication parameters have been configured, start the gateway with the START button; in the event of any subsequent changes, press UPDATE CONF so that they are implemented.

6.3 Sectors, inputs and outputs

It is possible to define the SECTORS, INPUTS and OUTPUTS within DELEGO using the ADD button in the corresponding sections of the page, specifying the number of objects to create:

The screenshot shows the DELEGO web interface with a sidebar menu on the left and a main content area on the right. The sidebar menu includes options like Setup, Tecnologie, Piani, Funzioni, Scenari, Notifiche, Logiche, Funzioni avanzate, Opzioni, Servizi, Utenti e permessi, and Cambia password. The main content area is divided into four sections: Ingressi, Settori, Uscite, and Stati centrale. Each section has a table with columns for NOME, NUMERO, and STATO. The Ingressi section has 10 rows, Settori has 2 rows, Uscite has 4 rows, and Stati centrale has 8 rows. Each section also has an 'AGGIUNGI' button and an 'AGGIORNA' button. The bottom of the interface shows a 'Centrale' tab and a status bar with various icons.

Ingressi		
NOME	NUMERO	STATO
Ingresso 1	1	--
Ingresso 2	2	--
Ingresso 3	3	--
Ingresso 4	4	--
Ingresso 5	5	--
Ingresso 6	6	--
Ingresso 7	7	--
Ingresso 8	8	--
Ingresso 9	9	--
Ingresso 10	10	--

Settori		
NOME	NUMERO	STATO
Settore 1	1	--
Settore 2	2	--

Uscite		
NOME	NUMERO	STATO
Uscita 1	1	--
Uscita 2	2	--
Uscita 3	3	--
Uscita 4	4	--

Stati centrale		
NOME	STATO	
Manomissione centrale	OK	
Allarme centrale	OK	
Anomalia AC	OK	
Anomalia batteria	OK	
Tutti i settori pronti	OK	
Settori con memoria	OK	
Settori inseriti	OK	
Settori in inserimento prioritario	OK	
Ingressi esclusi	OK	

By accessing the detail sheet of a sector, it is possible to change its number (which is also possible in the general list) and, if desired, set a PIN different from the general one.



If, after changing a PIN at a single area level, you change the control unit PIN again, the latter will be applied again to all sub-objects, therefore invalidating the specific PIN.

delégo

Cerca

Menu

- Setup
- Tecnologie
 - KNX
 - Modbus
 - Videosorveglianza
 - IESS
 - Sonos
- Piani
- Funzioni
- Scenari
- Notifiche
- Logiche
- Funzioni avanzate
- Opzioni
- Servizi
- Utenti e permessi
- Cambia password

Proprietà

Dati generali

ID: 2096

Nome: Settore 1

Numero: 1

Aspetto

Sicurezza

Abilita controllo PIN: ☐

Nuovo PIN:

Ripeti nuovo PIN:

CHIUDI

Comandi

NOME	STATO
Settore 1 - Comando di inserimento	Off
Settore 1 - Comando di inserimento prioritario	Off
Settore 1 - Comando di esclusione	Off

Stati

NOME	STATO
Settore 1 - Sintesi	—
Settore 1 - Allarme	OK
Settore 1 - Stato insensibile	Non pronto
Settore 1 - Stato di inserimento prioritario	Non inserito
Settore 1 - Stato di inserimento	Non inserito
Settore 1 - Memoria	OK
Settore 1 - Stato di esclusione	Non escluso
Settore 1 - Stato di esclusione parziale	Non escluso

Ingressi associati

NOME	NUMERO
Centrale	
Settore 1	

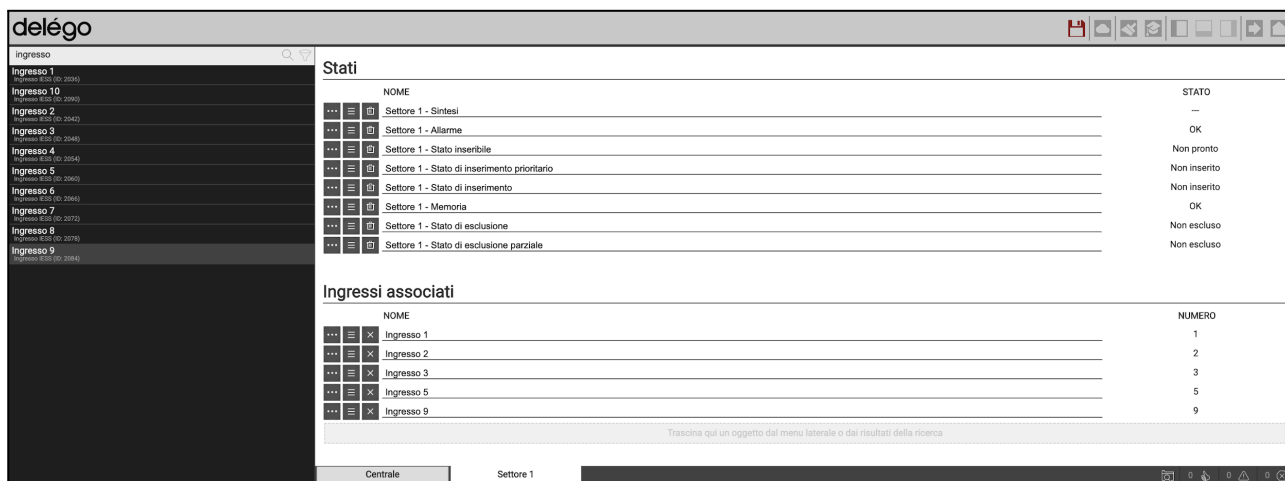
Trasmissione di un messaggio dal sistema interno o dai suoi utenti alla centrale

Centrale | Settore 1

The lists at the bottom of the page allow you to manage the sector insertion commands and all its states.

To allow the correct updating of the states, it is necessary to associate the inputs with their sectors, thus replicating the configuration carried out within the control panel. To associate one or more inputs with a sector:

- Access the sector tab
- Identify the “ASSOCIATED ENTRANCE” section
- Search for entries through the search engine
- Drag the inputs into the “ASSOCIATED INPUTS” section



Alternatively, it is possible to proceed in the opposite way, i.e. access the card of an entrance and drag the sectors once searched with the search engine into the "BELONGING SECTORS" section.

In a completely similar way, by accessing the INPUT and EXIT tab, the list of commands available for interaction and available states is summarized.



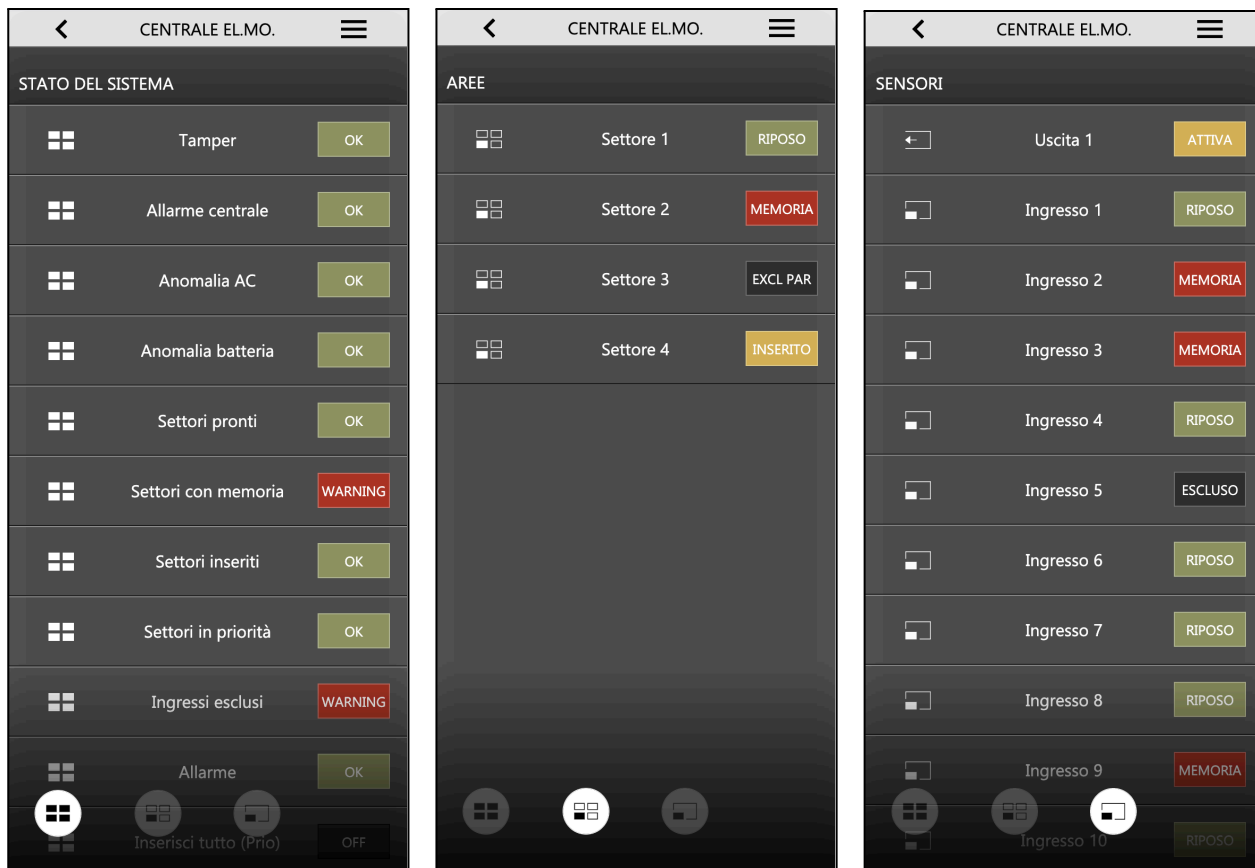
In all the element types seen previously, the "digest" sub-object is available; it represents a state of synthesis, based on priority among the other available states, and is the graphic element that is reported in the supervision, with an associated color, depending on whether it is a state of exclusion (grey), rest (green), activation (yellow) or alarm (red).

6.4 Central States

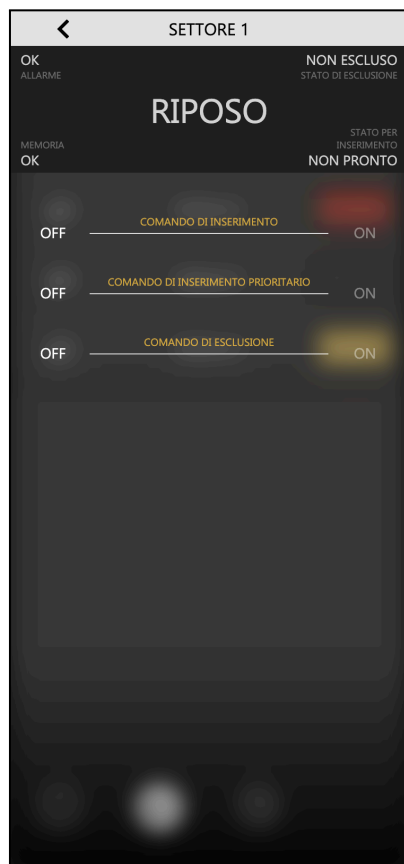
By pressing the ADD button in the CONTROL UNIT STATES section, a list of objects representing the system status is created. They are available for viewing, or they can be used, like any other state/command object seen previously, to automate the interaction with other supervision objects, through DELÉGO logics or by using it as *trigger* for executing commands (e.g. KNX), scenarios and notifications.

6.5 Visualization

The control center in visualization of the ELMO / IESS system allows you to manage the SECTORS, INPUTS, OUTPUTS and CENTRAL STATUS as already seen on a general level.

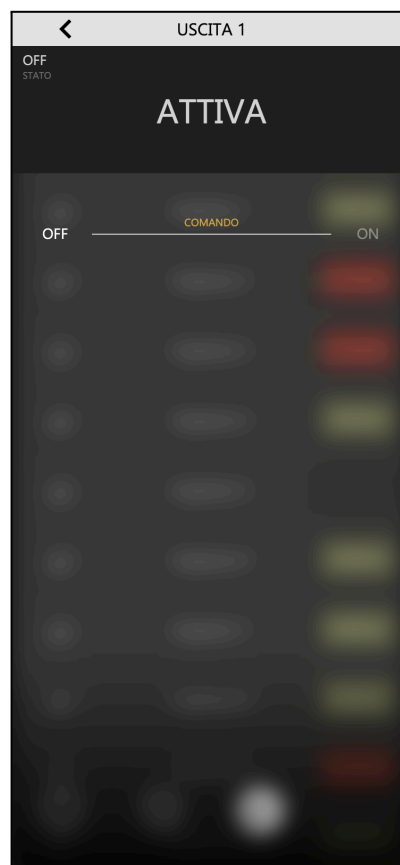
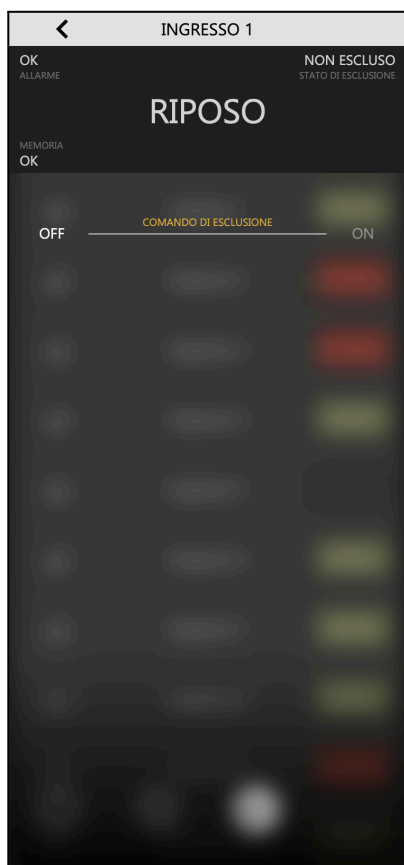


By pressing on a sector, the following detailed pop-up is displayed:



The upper portion highlights the state of synthesis of the sector; the elements below allow you to send different types of insertion or exclusion commands.

Similarly, by accessing the ZONE and OUTPUT pop-ups, the list of states in which they are found is listed and, in the case of the outputs, the ON/OFF control selector is made available:



Also in this case, the part at the top summarizes the status, while the selector below allows you to send the exclusion command (for the inputs) or activation (for the outputs).

All the commands mentioned are executed only upon correct entry of the PIN.



The PIN inserted in the DELÉGO graphics is validated by the webserver, based on what is set in the configuration sections seen previously. This PIN does not necessarily coincide with what is set at the control panel level.

7 Axel

7.1 Configuring the control panel

The configuration of the AXEL control units can be done either directly from keypad and via the Oberon software. We invite you to consult the official website <https://www.axelweb.com/> for more information and to download the necessary documentation and material. The procedure described below involves configuration via the Oberon software.

Enabling communication

The first thing to do is enable communication with external entities. To do this, simply modify the “Active service” item found in the Communications and connection → Network services configuration → User connection menu. Remember to send the programming to the control panel for the change to take effect.

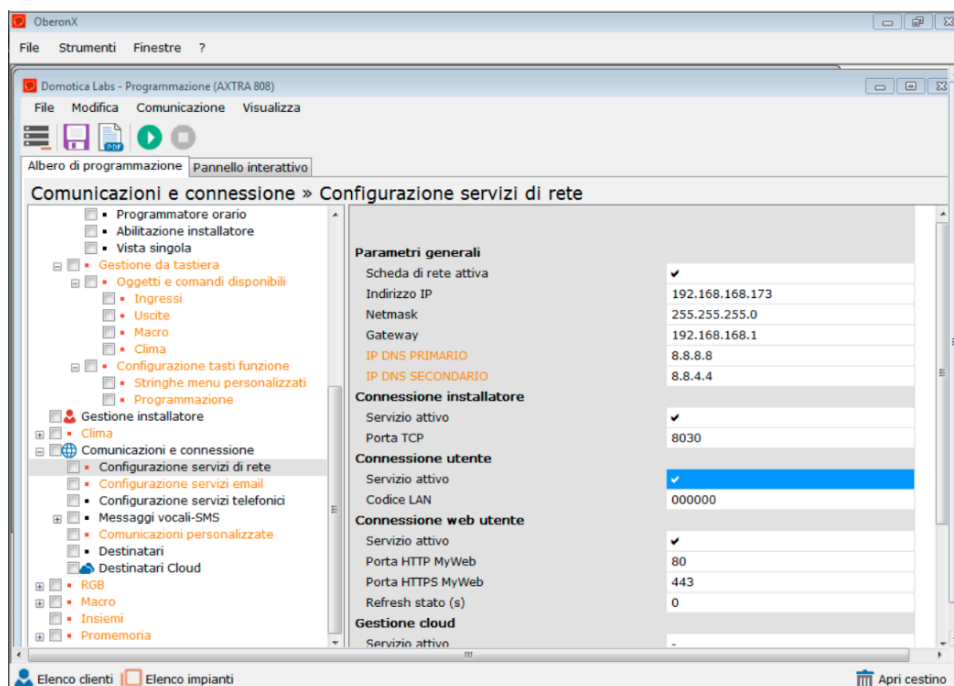
Customizing the LAN code

The LAN code is used by the control panel to authorize the communication requested by external entities, such as DELÉGO. Its default value is “000000”, but the installer can customize it to his liking. Simply change the “LAN Code” field found in the Communications and Connection → Network Services Configuration → User Connection menu. Remember to send the programming to the control panel for the change to take effect.

Communication port towards DELÉGO

The communication port towards external entities such as DELÉGO is not expressly mentioned or configurable in the Oberon software. It is important to note that you cannot use the same port used for the connection with the Oberon software, because the protocol adopted is not compatible.

The communication port open towards DELÉGO is always the one immediately following the one configured for the Oberon software. The port configured for the Oberon software is found under the “TCP Port” item in the Communications and connection → Network services configuration → Installer connection menu. The default value for the port reserved for the Oberon software is 8030, consequently the communication port open towards DELÉGO by default is 8031. Remember to send the programming to the control unit to make the change effective.



7.2 Delégo Configuration

To be able to use DELÉGO's Axel features, you need to have an additional activation license. To verify that you have the necessary license, or to enter the code received at the time of purchase, proceed as follows:

- Authenticate on DELÉGO with a user authorized to access the administration
- Select "SETUP" from the navigation menu, then "FORMS AND LICENSES"
- Identify the "AXEL" entry and check the presence of a valid license (identified with green writing)
- If the license is not present or valid, enter the new code in the corresponding field and press "SAVE"

CENTRAL

Once the module license has been activated, it is necessary to configure communication with the intrusion detection control unit; for this purpose:

- Open the INTEGRATIONS > SECURITY item in the navigation menu
- Select "AXEL" then "AXEL CENTRAL"
- Press the "ADD" button in the toolbar at the bottom to create a new control panel
- Select the new item and press the "three dots" on the side, or the "EDIT" button in the toolbar, to access its tab

The following information is requested:

NAME	Identification name for the control panel, used within DELÉGO
IP ADDRESS	Indicate the IP address of the Axel control panel.

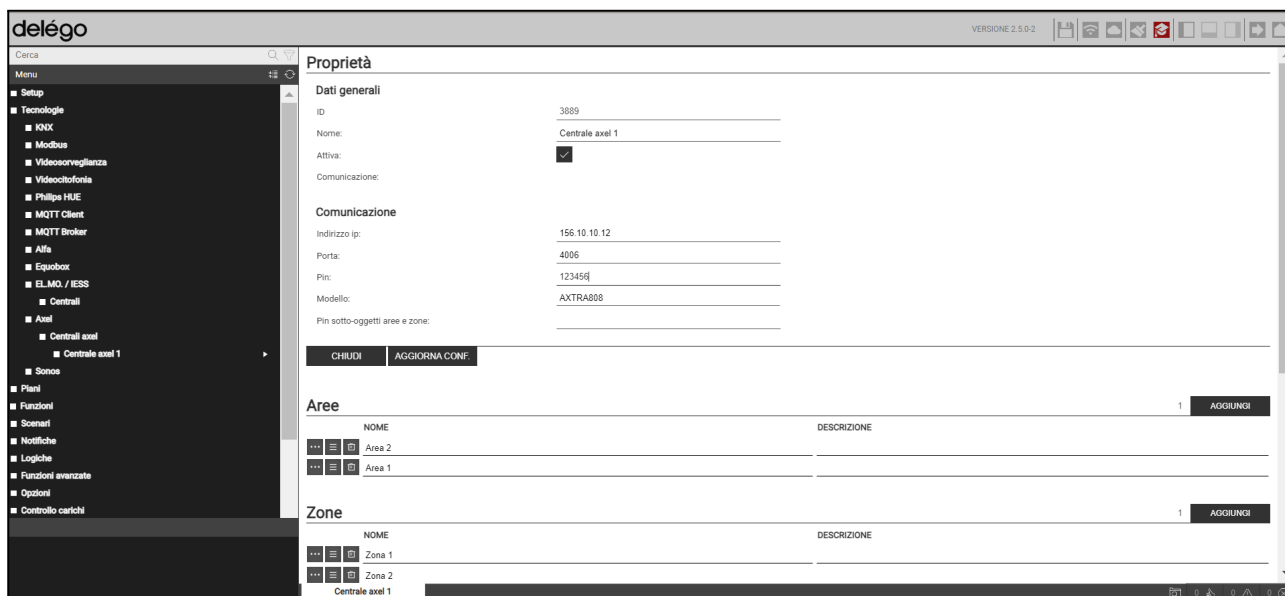
PORT	Specify on which port you will communicate with the control panel.
PIN	Specify the 6-character numeric PIN used to authenticate the connection with the control panel.
MODEL	Select the control unit model via the drop-down menu, the available models are: • AXTRA808 • AXTRA1608 • AXTRA3208 • SPARKLE120 • SPARKLE280 Based on the model selection, the corresponding "central alerts" will be automatically created
PIN SUB-OBJECTS AREAS AND ZONES	Indicate the PIN to control the objects of the areas and zones. This must be the PIN of a valid user on the control panel, authorized to perform the required actions. This will be useful in case the objects of the areas and zones are controlled via an event within DELÉGO or a scenario

Once this information has been specified, it is necessary to press the "UPDATE CONF" button to activate the communication. This operation is necessary whenever a structural change is made to the control panel data or to the objects connected to it, with the exception of names.

AREAS

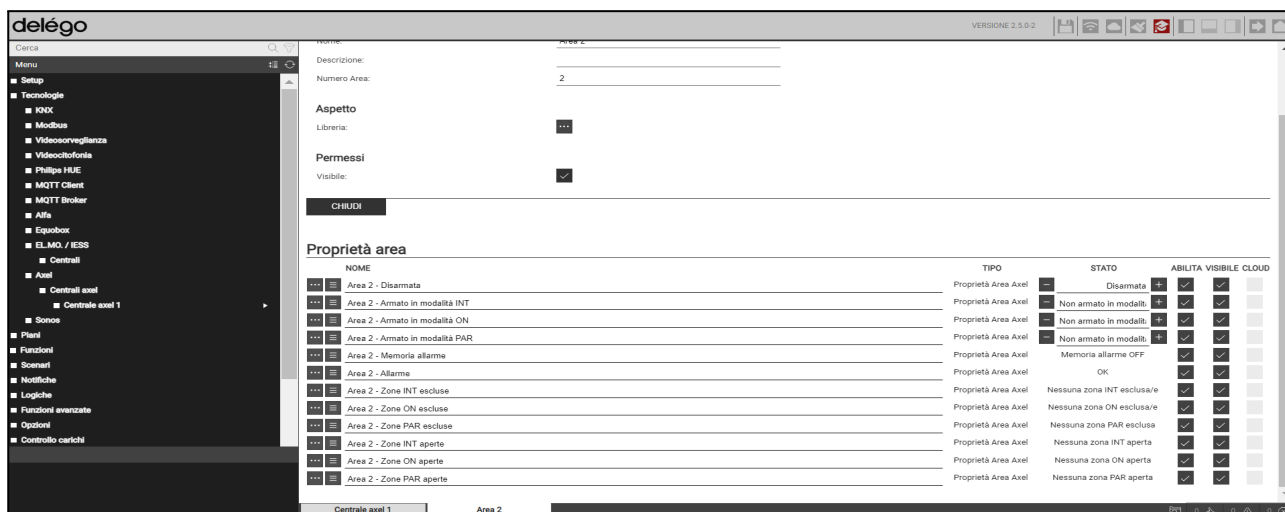
Once the control unit has been defined, it is possible to configure one or more areas associated with it, whose status is monitored by DELÉGO and displayed on the supervision pages. To create one or more areas, proceed as follows:

- Access the control panel tab
- Type the number of areas to create in the text field next to the "ADD" button within the "AREAS" section title
- Press the ADD button



As many areas as requested are automatically created, numbered progressively starting from the last area index present in the project. The sub-objects belonging to the area are also created, which control its state and display. Once created, areas can be renamed simply by typing the new name in the appropriate text box.

It is also possible to access the detail sheet of the areas, through the corresponding edit button; the "DELETE" button, on the other hand, removes (permanently) the area from the project. By accessing the detail sheet of an area it is also possible to view the sub-objects that make up the area itself through the "AREA PROPERTIES" section.



Also in this case it is possible to rename the sub-objects and view their current value through the "STATUS" column; through the same column it is also possible to control the sub-objects that are enabled for the control.

ZONE

In a similar way to what was seen for the areas, it is possible to configure one or more zones within DELÉGO by typing the number of objects to create in the corresponding field and pressing the "ADD" button:

delégo VERSIONE 2.5.0-2

Comunicazione

Indirizzo ip: 156.10.10.12
Porta: 4006
Pin: 123456
Modello: AXTRAB08
Pin sotto-oggetti aree e zone:

Aree 1 **AGGIUNGI**

NOME	DESCRIZIONE
Area 2	
Area 1	

Zone 1 **AGGIUNGI**

NOME	DESCRIZIONE
Zona 1	
Zona 2	
Zona 3	

Avvisi centrale

NOME	VISIBILE	STATO
Centrale axel 1		

Also in this case, once the objects have been created they can be renamed.

RELATIONSHIP BETWEEN AREAS AND ZONES

To associate the zones that apply to each area, you need to:

1. click on the “edit” button (the one with the three dots) next to the affected area
2. click on the “edit” button next to the sub-object of the area concerned (Armed in X mode)
3. search for the desired areas by pressing on the title “ZONES ASSOCIATED WITH GROUP X” or using the search tool at the top left
4. drag the areas to be associated from the search results to the appropriate list in the area detail screen

delégo VERSIONE 2.5.0-2

Proprietà

Dati generali

ID: 3916
Nome: Area 2 - Armato in modalità INT

Permessi

Visibile: ☒

Zone associate al gruppo INT

NOME	STATO	DETTAGLI	VISIBILE	ABILITA
Zona 2	A riposo		☒	☒

Trascina qui un oggetto dal menu laterale o dai risultati della ricerca

Azioni

NOME	CONDIZIONE	AZIONE	VALORE
Trascina qui un oggetto dal menu laterale o dai risultati della ricerca			

Trigger

NOME	DETTAGLI	CONDIZIONE	AZIONE	VALORE
Trascina qui un oggetto dal menu laterale o dai risultati della ricerca				

The objects of the dragged area will also be automatically related to the Area sub-objects corresponding to the same mode:



To create these relationships it is also possible to access the sub-object of the "X zones" area
open" or "Zones

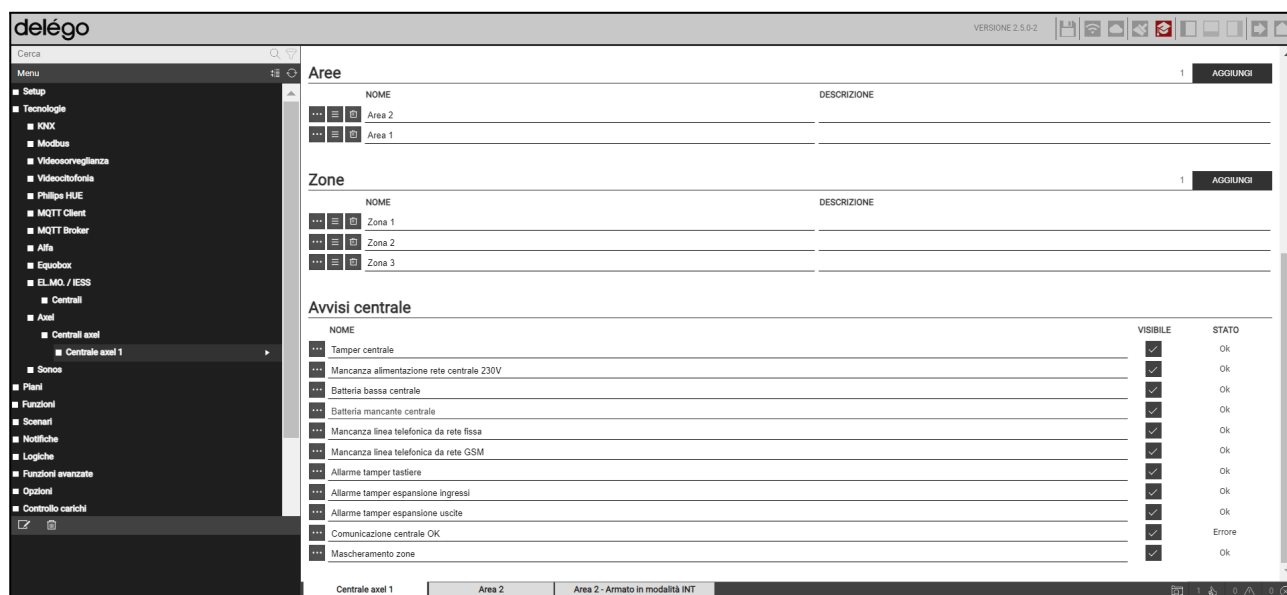
CENTRAL STATES

DELÉGO can monitor a series of status information made available by the control panel. These objects differ based on the control panel model; for this reason they are created dynamically when a model is selected in the control panel detail sheet; on the contrary, if no model is selected (option "---") any "CENTRAL ALERTS" objects previously created by selecting a model are eliminated.



Automatic creation of central state objects takes a few seconds; Do not close the window or perform any other operation until the operation is complete.

The following figure shows an example of a control panel with configured alerts:

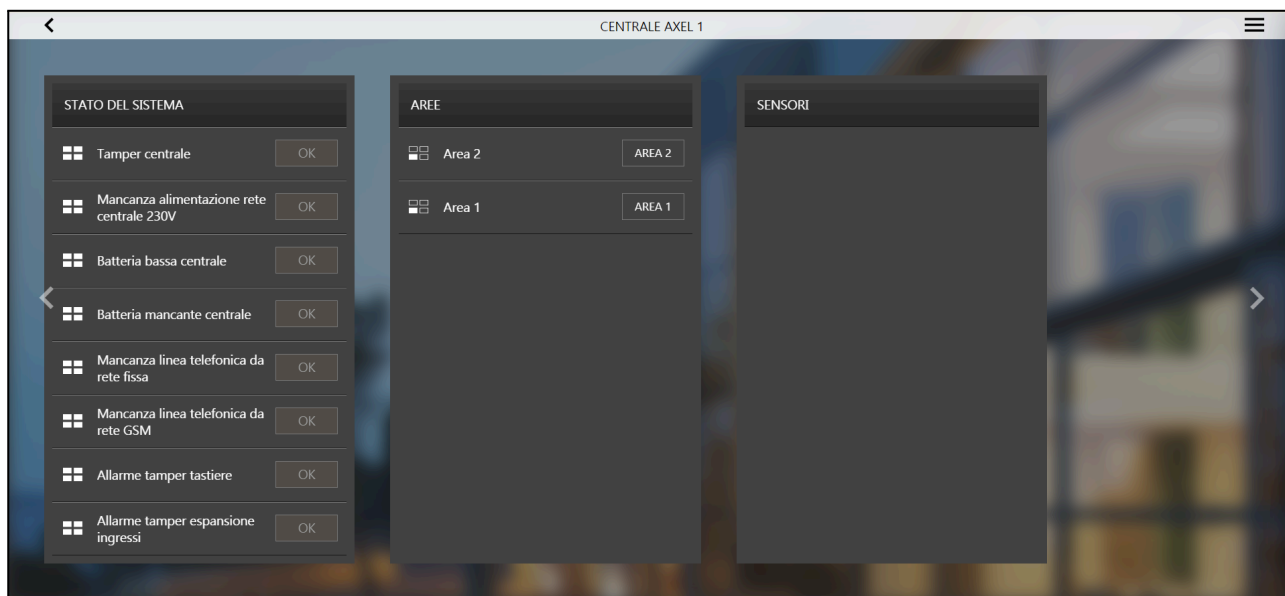


7.3 Usage

Once an Axel control unit and the related sub-objects have been configured, they are automatically available for use in the FRONTEND, in the "SECURITY" section of the navigation menu. This page allows you to quickly access the complete list of areas, zones and central alerts (toolbar at the top right) and manage them as detailed in the following paragraphs.

AREAS

The areas are presented in the FRONTEND in the form of "widgets". The icon at the top right highlights the insertion status, as exemplified in the following figure:



Pressing on an area opens the relevant detail popup showing the states of its sub-objects...



... and provide the following direct commands:

- **DISARM:** disarming the area
- **INT:** arming the area in INT mode
- **ON:** arming the area in ON mode
- **PAR:** arming the area in PAR mode

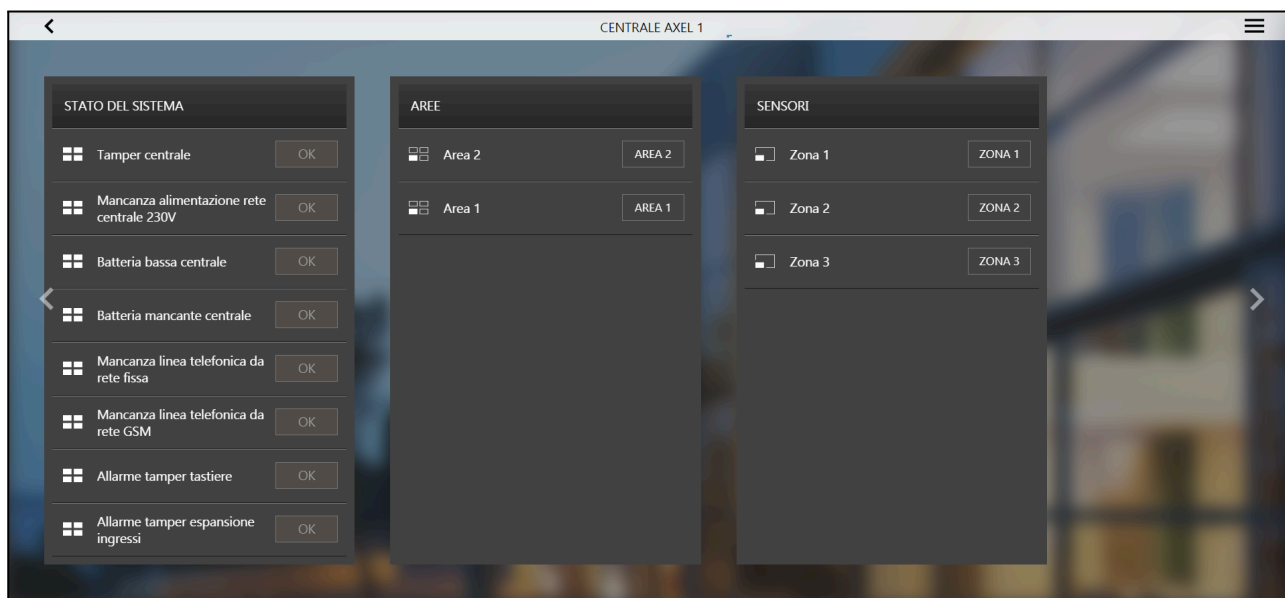
By pressing a command button, the user is asked to specify the numeric PIN set in the control panel card:

AUTORIZZAZIONE

1	2	3
4	5	6
7	8	9
*	0	#
ANNULLA	PULISCI	OK

ZONE

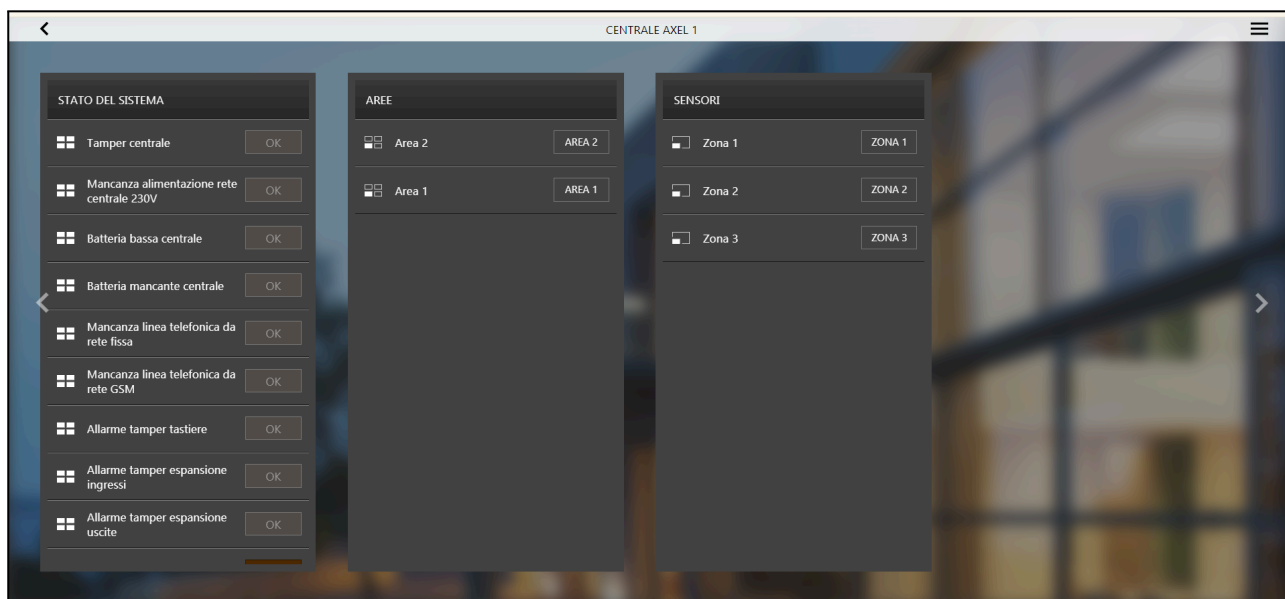
Similarly, the zones appear as "widgets" which allow the exclusion or, vice versa, the enabling of previously excluded zones; also in this case, the icon at the top left highlights the current status of the zone, and any command in the detail popup must be authorized by the user by entering the PIN specified in the control panel card.





CENTRAL WARNINGS

The control panel alerts are presented in the FRONTEND in the form of a "widget" and show a general picture of the "health status" of the control panel:



7.4 Triggers and actions

As for any other type of object, DELÉGO SERVER also offers for objects relating to integration with Axel control units the possibility of configuring automatic events to manage the change of state of the security system (sending, for example, commands to the KNX home automation system) or vice versa.

AREAS

To configure an event on an area of the Axel intrusion detection system, proceed as follows:

- Access the DELÉGO ADMINISTRATION area
- Select the control unit in the “Axel” section and access its card
- Identify the area in the appropriate list, and press the corresponding “EDIT” button (green) to access its sheet
- Identify the sub-object of the area in the appropriate list, and press the corresponding “EDIT” button (green) to access its tab

At this point it is possible to configure two types of events:

- ACTION: the change in state of the sub-object of the zone determines an action on one or more objects
- TRIGGER: the change of state of another object present in the DELÉGO project determines an action on the sub-object of the area



The “TRIGGER” functionality can only be applied to objects that can be controlled
In the case of the sub-objects of the area they are:

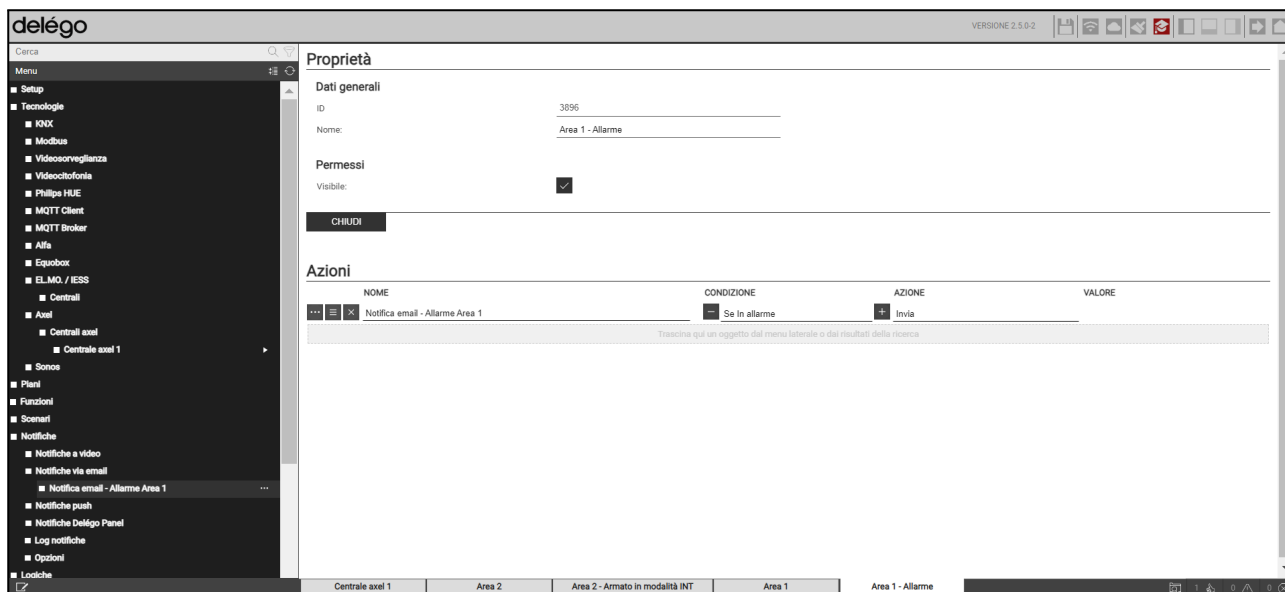
- Area X – Disarmed
- Area X - Armed in INT mode
- Area X - Armed in ON mode
- Area X - Armed in PAR mode



To use the “TRIGGER” functionality it is necessary to insert the “Areas and zones sub-object pin” in the control unit configuration.

Failure/incorrect insertion of this pin will result in the inability to control the objects belonging to the area

In both cases, drag an object into the appropriate area, with which you intend to relate the sub-object of the area, and fill in the required information (which depends on the type of object dragged).



ZONE

To configure an event on a zone of the Axel anti-intrusion system, proceed as follows:

- Access the DELÉGO ADMINISTRATION area
- Select the control unit in the “Axel” section and access its card
- Identify the area in the appropriate list, and press the corresponding “EDIT” (green) button to access its tab
- Identify the sub-object of the area in the appropriate list, and press the corresponding “EDIT” (green) button to access its tab

At this point it is possible to configure two types of events:

- ACTION: the change in state of the sub-object of the zone determines an action on one or more objects
- TRIGGER: the change in state of another object present in the DELÉGO project determines an action on the sub-object of the zone (exclusion or enabling)



The “TRIGGER” functionality can only be applied to objects that they are controllable. In the case of zone sub-objects this is the object:

- Zone X - Excluded



To use the “TRIGGER” functionality it is necessary to insert the “Areas and zones sub-object pin” in the control unit configuration.

Failure/incorrect insertion of this pin will result in the inability to control the object belonging to the zone.

In both cases, drag an object into the appropriate area, with which you intend to relate the sub-object of the area, and fill in the required information (which depends on the type of object dragged).

CENTRAL WARNINGS

The central alerts allow you to configure only ACTIONS, as they cannot be controlled by DELÉGO. To configure one or more events, proceed in the same way as illustrated for AREAS and ZONES.

8. Cronologia delle revisioni

The following table contains the most relevant changes in the software releases, concerning the topics of this application manual:

Release	Changes	Date
2.8.0	Minor changes	15/04/2026
2.7.0	Minor changes	01/09/2025
2.6.0	Armonization with the new DOCUMENTATION PLAN	02/04/2025
2.5.0	Added support for AXEL	30/09/2024



Before the software release 2.6 the application manuals of DELÉGO SERVER were organized differently. An exact correspondence with older versions of the manuals and the changelog could not be found for this reason.