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# NOTIFIER

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Supervision of Notifier control panels with  
Eureka

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February 2011

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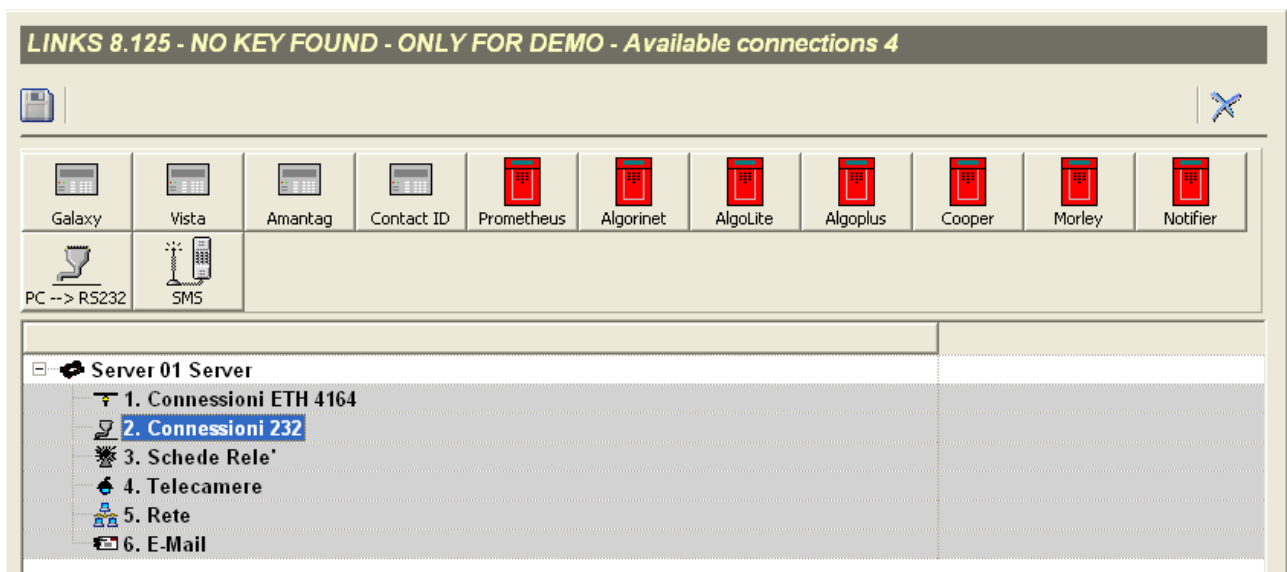
## CONNECTION EUREKA-NOTIFIER

Eureka can supervise Notifier AM2000/AM4000/AM6000 control panels in two ways:

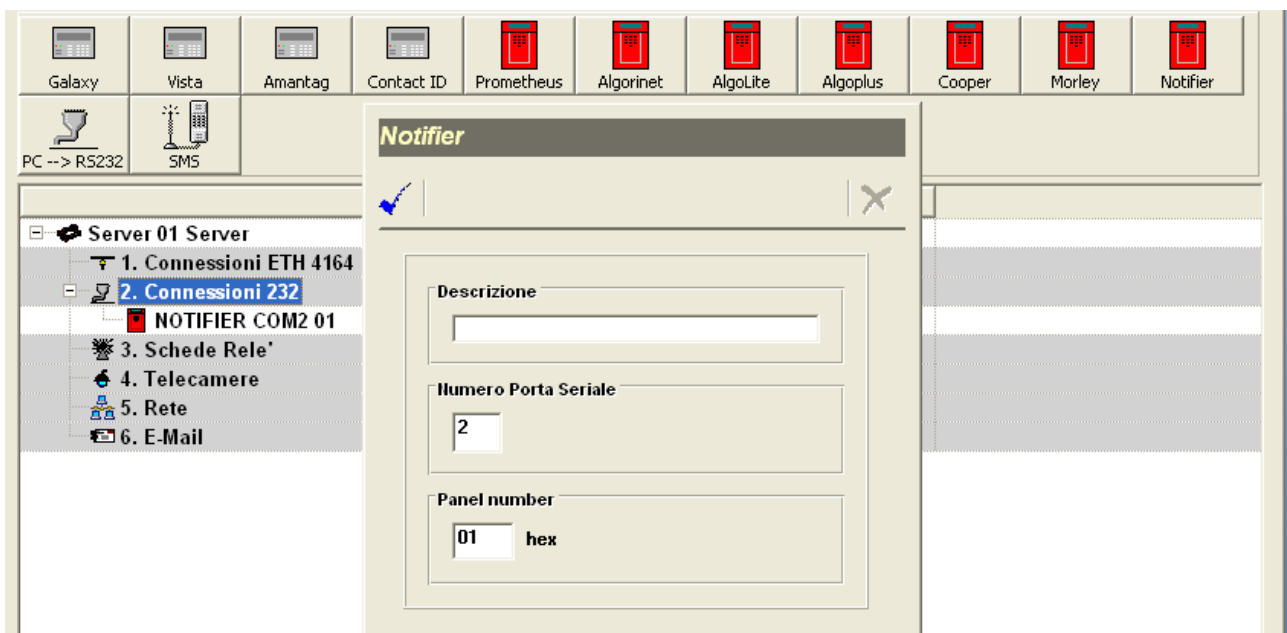
- 1) direct RS232 serial connection (19200, and 8.1)
- 2) connection to AI ETH 4164 which in turn is connected via serial RS232 (19200, and 8.1)
- 3) for Notifier programming see attachments

## CONNECTION EUREKA-NOTIFIER RS232

Add an RS232 connection with E8-Links32, and select Notifier.



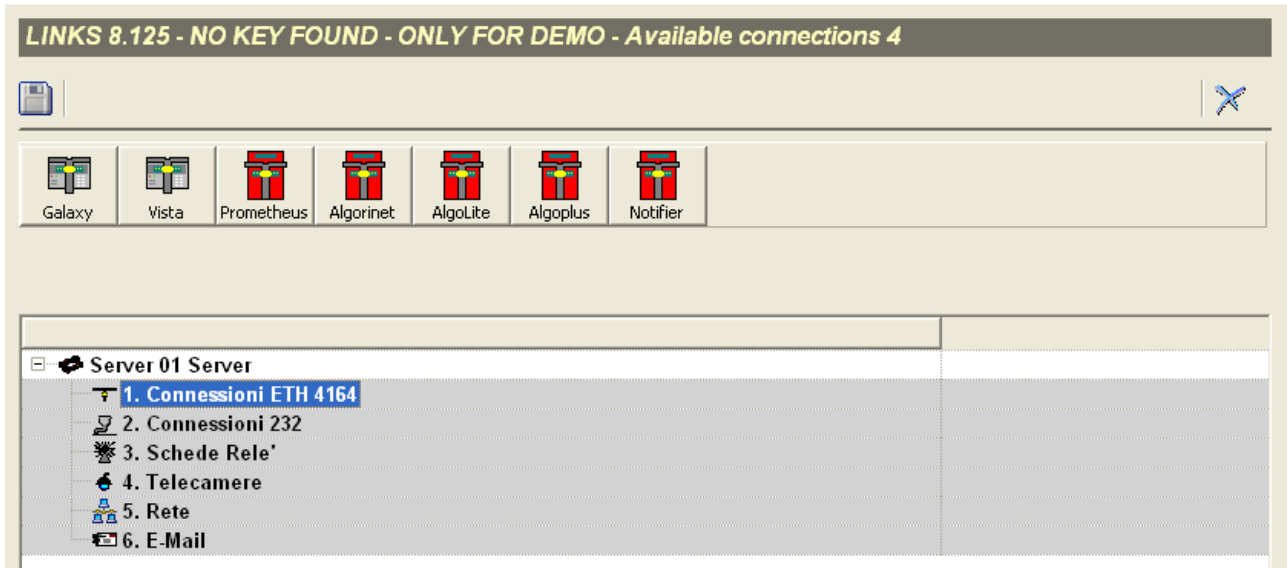
Configure the communication port; it must be set to be less than 10.



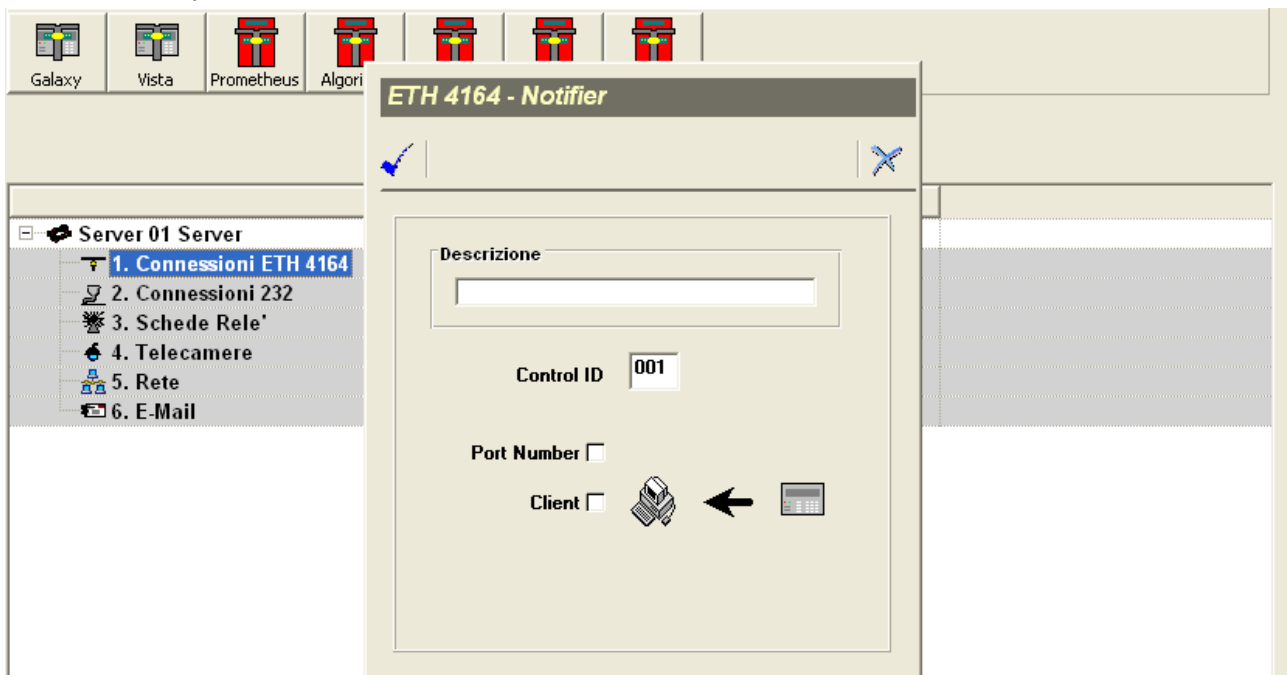
Save.

**CONNECTION EUREKA-NOTIFIER AI 4164 ETH**

Add an ETH 4164 connection with E8-Links32, and select Notifier.



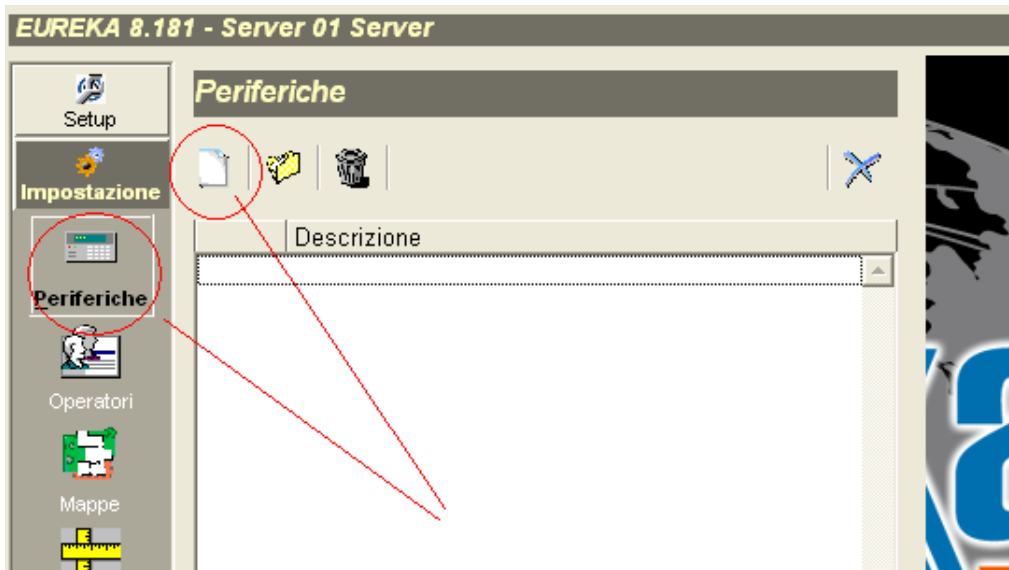
Set the connection according to the configuration performed on the AI 4164 ETH card connected to the Notifier control panel.



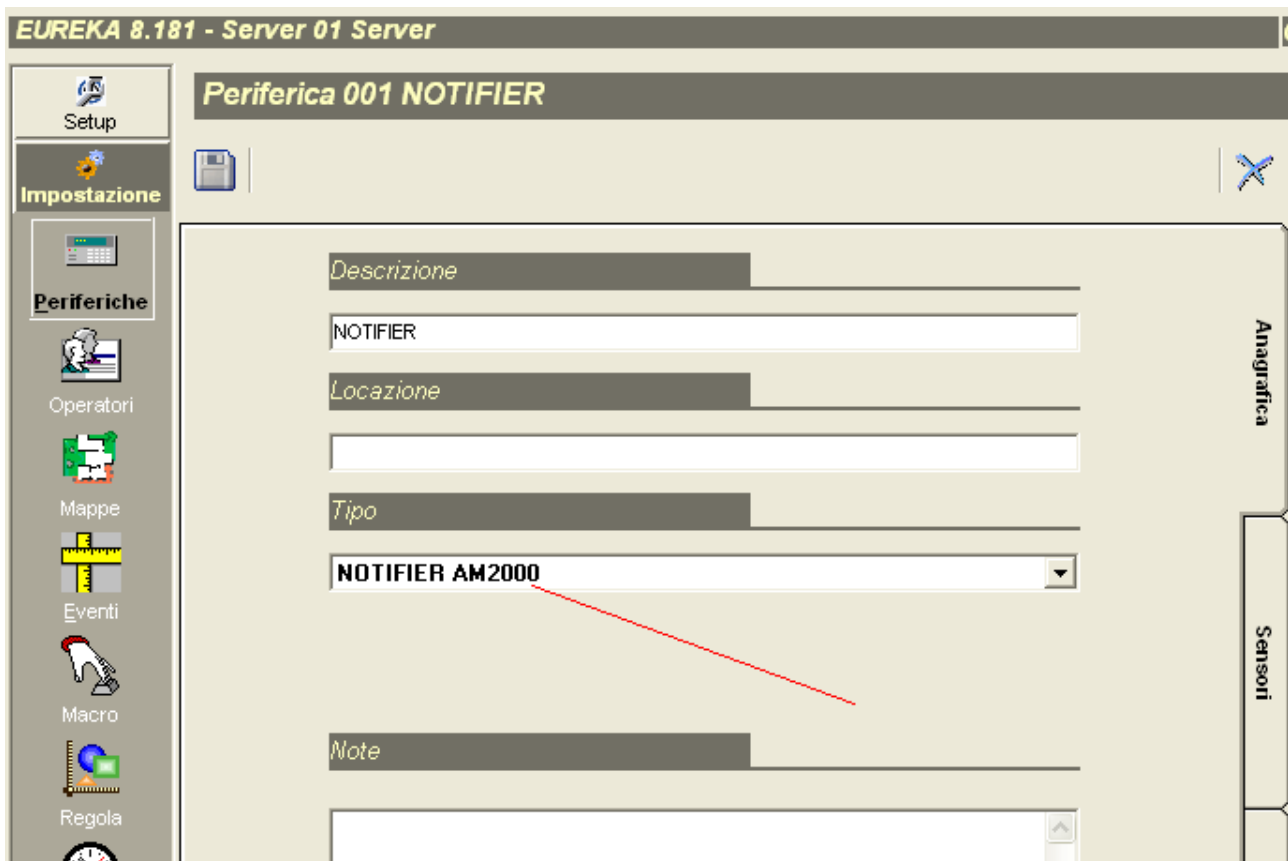
Save.

## ADDING A NOTIFIER PERIPHERAL IN EUREKA

Add a peripheral with the programm Eureka-8.



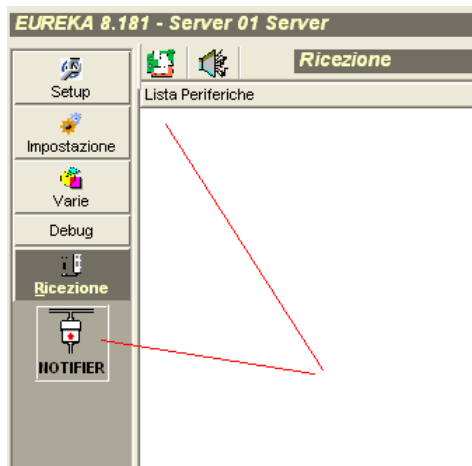
Select the model of the control panel (AM2000,AM4000,AM6000).



It is now possible for you to manually enter sensors, modules, zones, and loops; or, you can automatically download the data from the control panel.

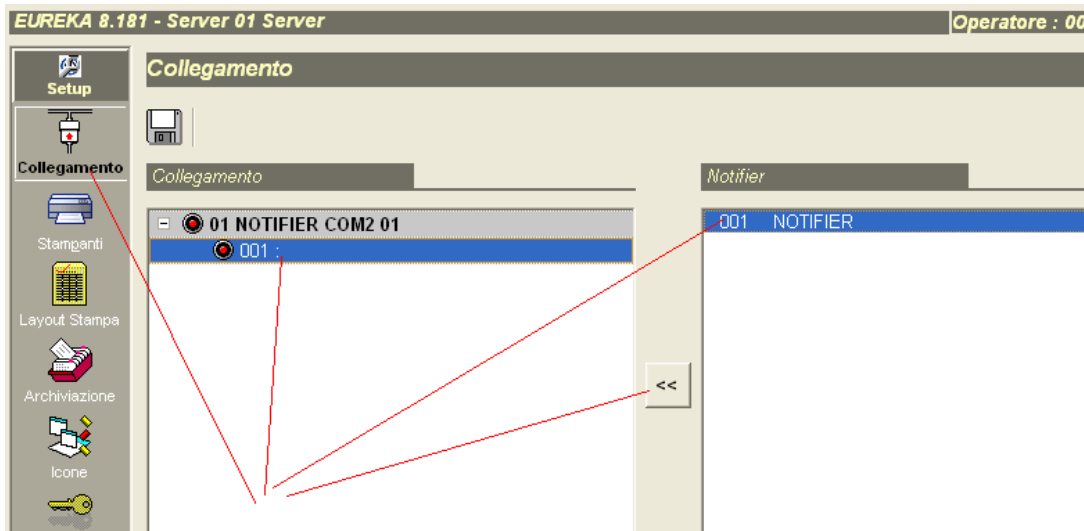
If you want to load data from the control panel do not enter sensors or modules, and follow the steps hereinafter.

## ACTIVATING THE NOTIFIER CONNECTION IN EUREKA

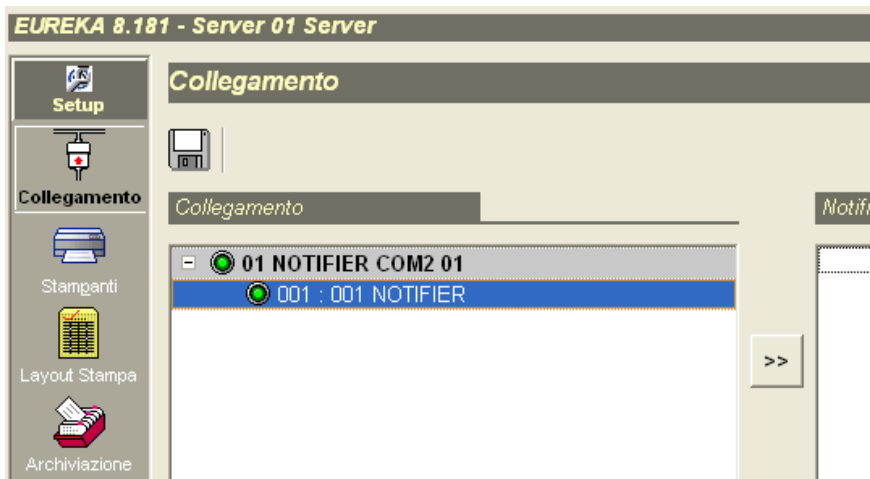


The empty peripheral list and the icon shown in the figure indicate that Notifier connection exists, but it has not been associated to a peripheral yet.

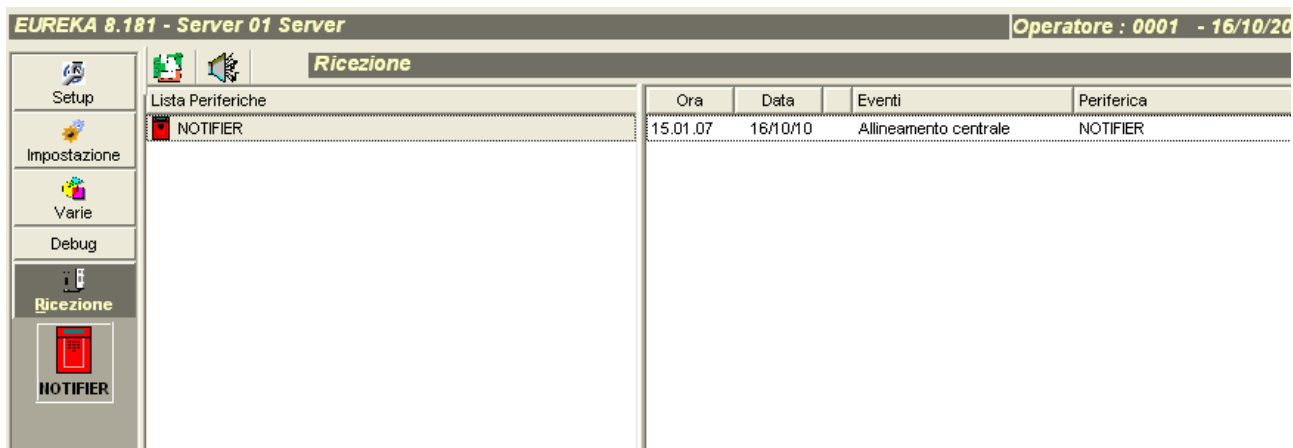
To activate the connection, click link from Setup.



Select the connection, the peripheral, and connect with the << button.



Save. The connection is now active; Eureka receives the status of the control panel and can send commands.



The screenshot shows the Eureka 8.181 software interface. The title bar reads 'EUREKA 8.181 - Server 01 Server' and 'Operatore : 0001 - 16/10/20'. The main window is titled 'Ricezione' and contains a table with the following data:

| Lista Periferiche                            | Ora      | Data     | Eventi                | Periferica |
|--|----------|----------|-----------------------|------------|
| <input checked="" type="checkbox"/> NOTIFIER | 15.01.07 | 16/10/10 | Allineamento centrale | NOTIFIER   |

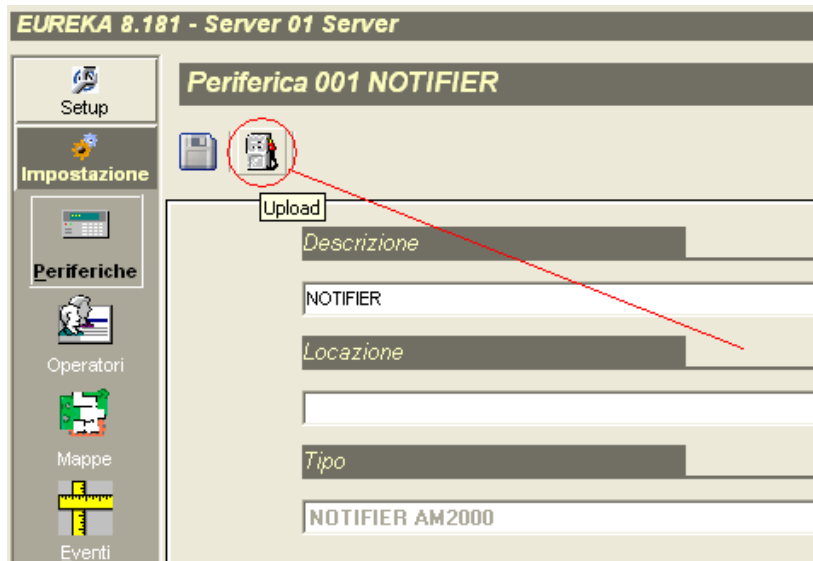
The interface also features a left sidebar with menu items: Setup, Impostazione, Varie, Debug, and a highlighted 'Ricezione' section containing a 'NOTIFIER' icon.

The initial alignment of the control panel takes a few minutes.



## DOWLOADING DATA FROM NOTIFIER

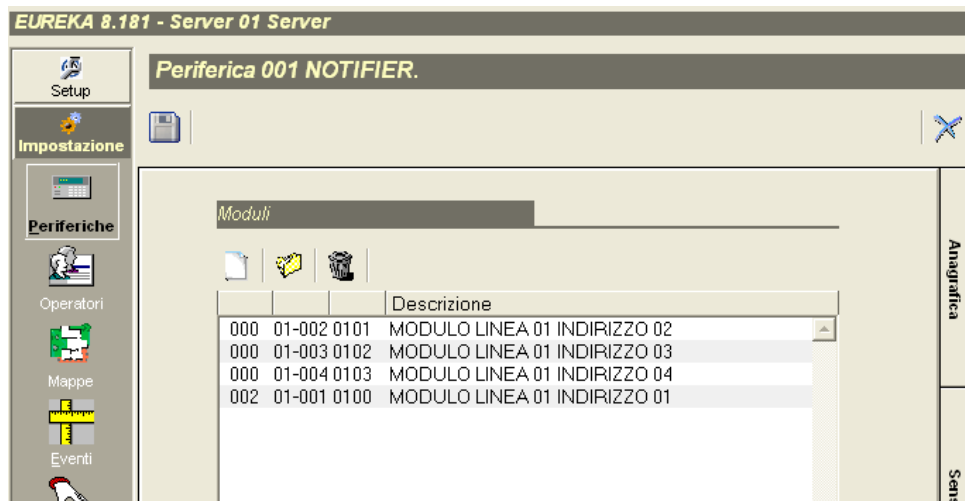
Now that the panel is connected you can download the peripheral settings (sensors, modules, zones, loops). To download the data, go back to peripheral settings and select the button for uploading.



The uploading will take a few minutes.



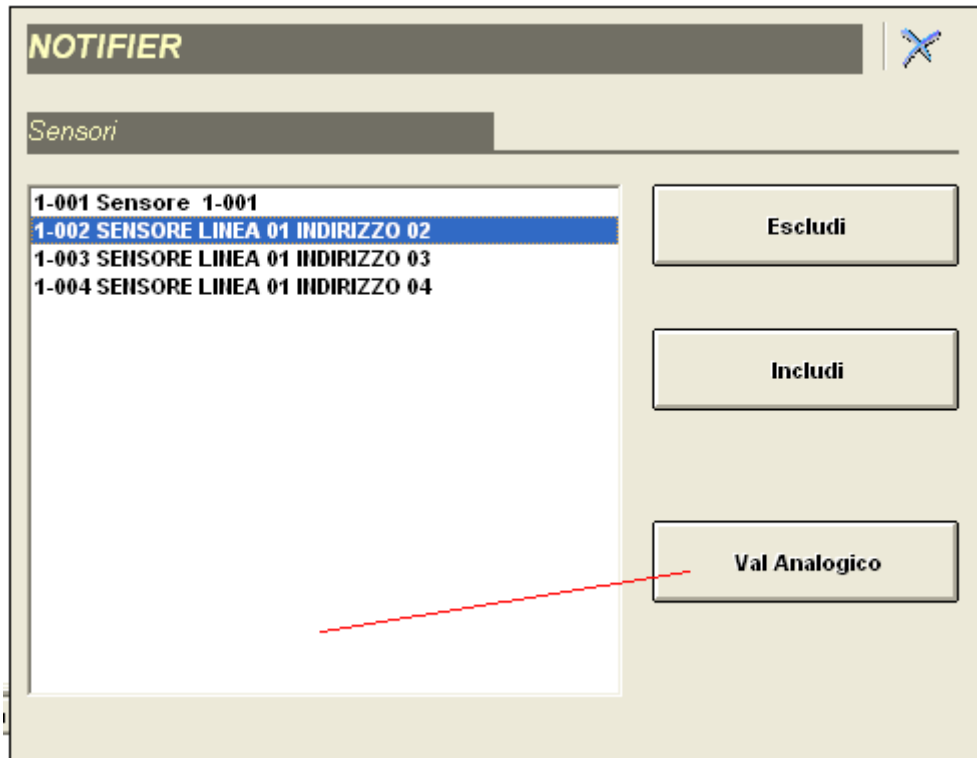
At the end of the uploading, complete data will appear as stored on the control panel.



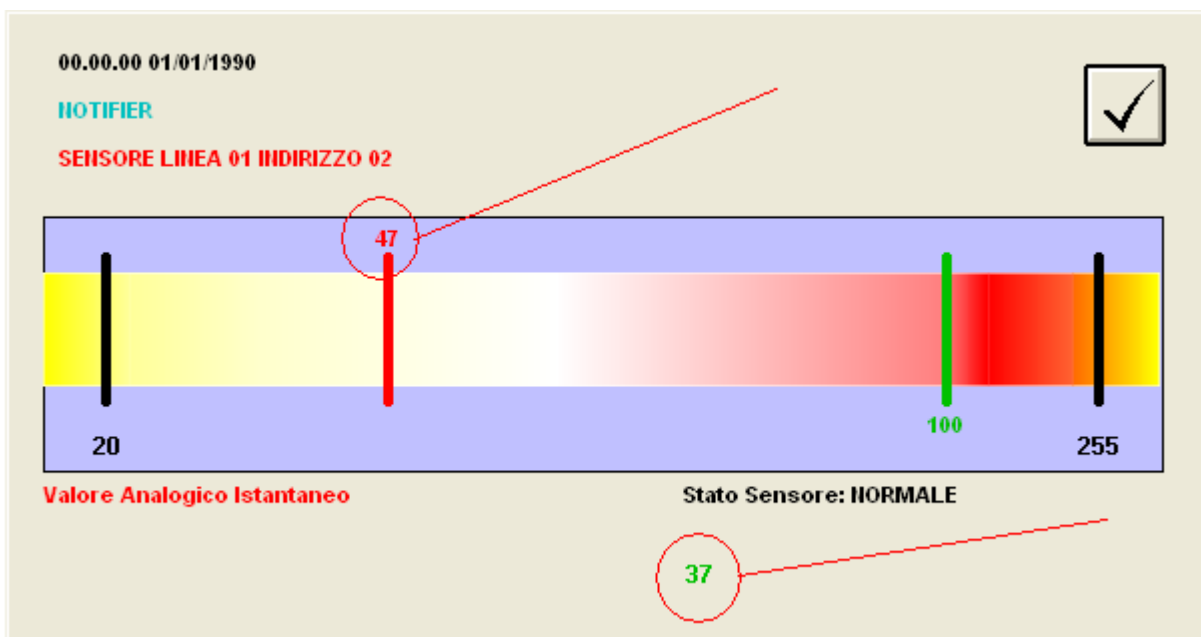
Save.

## ANALOG VALUES

In addition to sending commands provided by Notifier (reset, acknowledge, silence, exclusion, inclusion, ...) it is possible to acquire the analog value of a single point, of the points of a loop or of all points.  
To acquire the analog value of a single point, select the sensor and send the command Analog value.

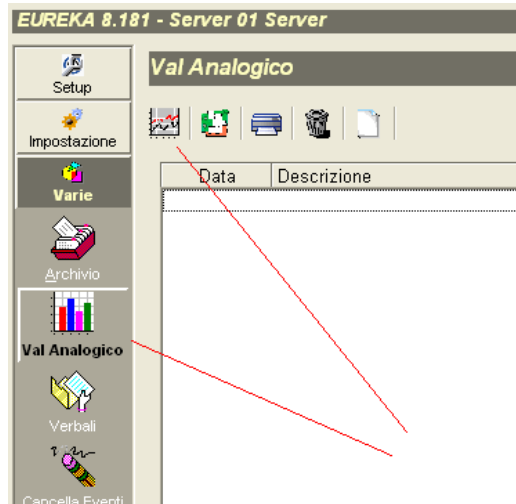


The following graph, showing the analog value, will be displayed.

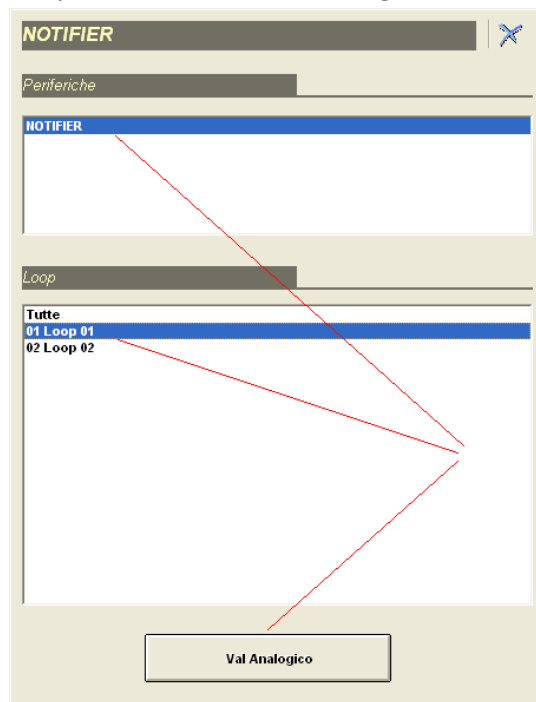


The number in red indicates the analog value; the number in green indicates the sensor type.

If you want to see more analog values, select from Various as shown in the figure below:



Select the group of points of which you want to read the analog values..

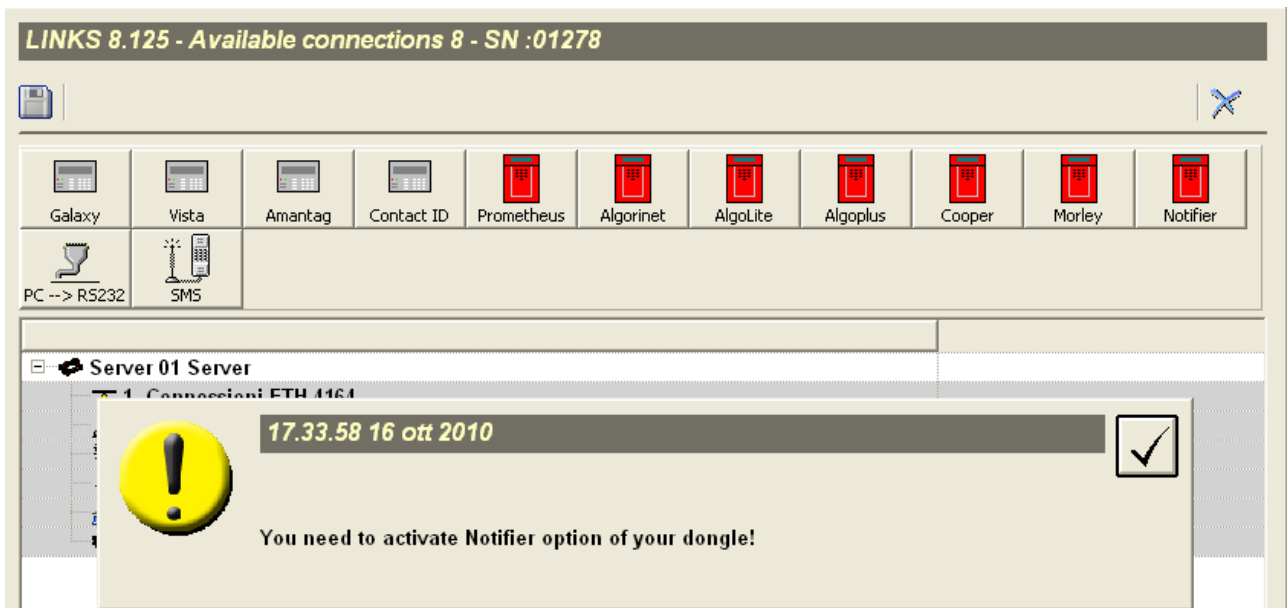


On the table it is shown the analog value and the type of sensor of all the points for which it was requested the analog value..

| Data                   | Descrizione                               | Tipn | Val 1 | Val 2 | Val 3 | Stato                  |
|------------------------|---|------|-------|-------|-------|------------------------|
| 15.52.50<br>16/10/2010 | NOTIFIER<br>Sensore 1-001                 | 24   | 39    | 0     | 0     | Stato Sensore: NORMALE |
| 15.52.50<br>16/10/2010 | NOTIFIER<br>SENSORE LINEA 01 INDIRIZZO 02 | 25   | 47    | 0     | 0     | Stato Sensore: NORMALE |
| 15.52.50<br>16/10/2010 | NOTIFIER<br>SENSORE LINEA 01 INDIRIZZO 03 | 25   | 47    | 0     | 0     | Stato Sensore: NORMALE |
| 15.52.50<br>16/10/2010 | NOTIFIER<br>SENSORE LINEA 01 INDIRIZZO 04 | 24   | 38    | 0     | 0     | Stato Sensore: NORMALE |

## ENABLING THE PROTECTION KEY TO USE NOTIFIER CONNECTIONS

In order to use the Notifier connections it is necessary to enable the hardware key. When trying to enter a new Notifier connection in the absence of enablement the following message appears:



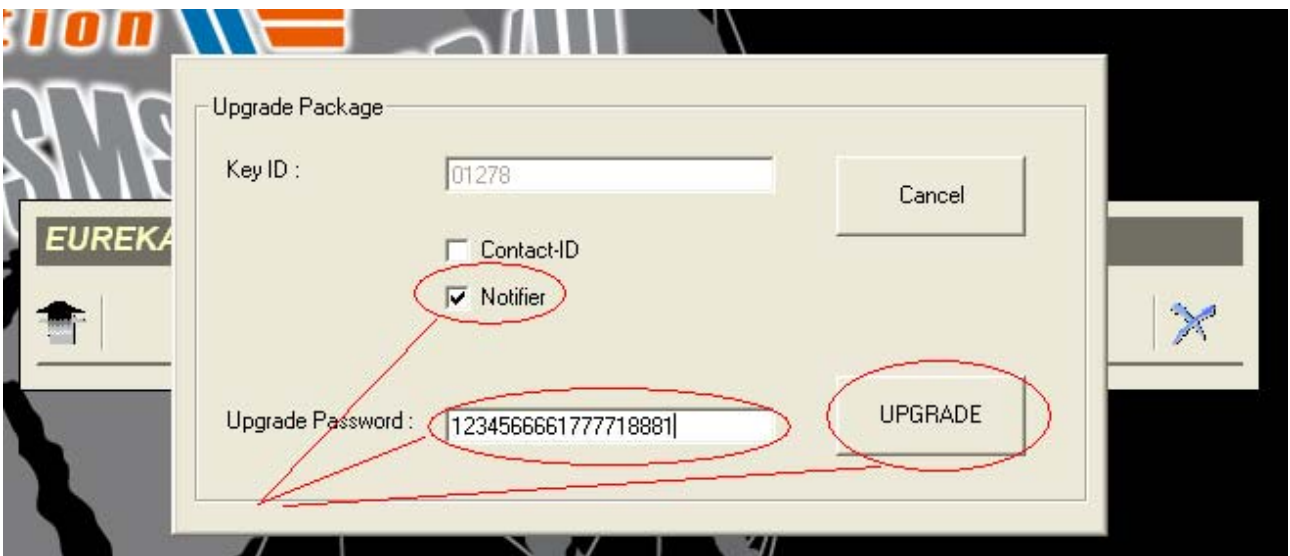
To enable the key you have to request the enabling password; you'll have to communicate the serial number that can be read in Eureka, as it is shown in the figure below.:



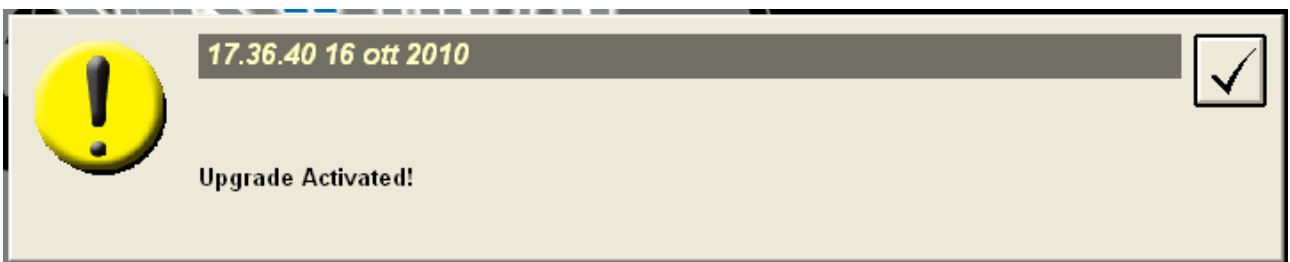
Once you have the password, you must activate the key from Eureka, by selecting Upgrade as shown in the figure below:



Select Notifier, enter the password and enable with UPGRADE.



If the password is correct, the following message will be displayed.



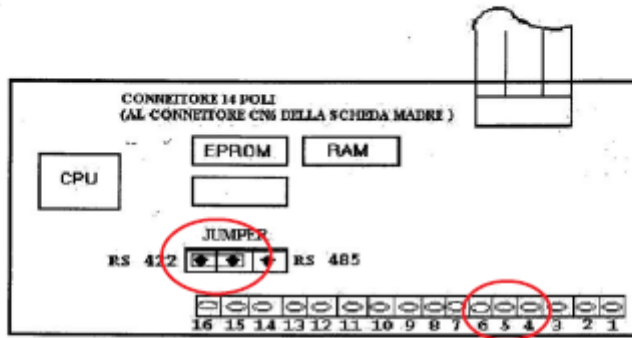
The key is now enabled for Notifier connections.

## ATTACHMENTS

- A- From the installation manual: connections of SIB-600 card
- B- From operator's and programming manual: programming serial card SIB-600
- C- Serial card SIB-600 OEM connections on new Notifier control panels
- D- Programming on new Notifier control panels to connect to PC

A) CONNECTIONS OF SIB-600 SERIAL CARD

**SCHEDA SIB-600**



JUMPER → SU RS-485 - LINEA APERTA - 2 FILI  
 JUMPER → SU RS-422 - LINEA CHIUSA - 4 FILI (ANDATA/RITORNO)

**CONNETTORE CN2 SCHEDA OPZIONALE "SIB-600"**

| N° MORS. | DENOMINAZIONE | Collegamenti a<br>IT - 485         | CONNETTORE PORTA SERIALE<br>SU PC |        |
|----------|---------------|------------------------------------|-----------------------------------|--------|
|          |               |                                    | 9 PIN                             | 25 PIN |
| 1        | TERRA         |                                    |                                   |        |
| 2        | RTS           | COLLEGAMENTO<br>CON PC             |                                   |        |
| 3        | CTS           |                                    |                                   |        |
| 4        | TX            |                                    | PIN 2                             | PIN 3  |
| 5        | RX            |                                    | PIN 3                             | PIN 2  |
| 6        | GND           |                                    | PIN 5                             | PIN 7  |
| 7        | LIN + ANDATA  | SUPERVISIONE                       | MORSETTO 4                        |        |
| 8        | LIN - RITORNO |                                    |                                   |        |
| 9        | GND           | COLLEGAMENTO<br>CON<br>ANNUNCIATOR | SCHERMO                           |        |
| 10       | LIN + RITORNO |                                    |                                   |        |
| 11       | LIN - ANDATA  |                                    | MORSETTO 3                        |        |
| 12       | LIN + ANDATA  |                                    |                                   |        |
| 13       | LIN - ANDATA  |                                    |                                   |        |
| 14       | GND           |                                    |                                   |        |
| 15       | LIN + RITORNO |                                    |                                   |        |
| 16       | LIN - RITORNO |                                    |                                   |        |

**N.B.:** Per collegamenti di max 15 metri usare linea seriale 232 (morsetti 4-5-6).  
 Per collegamenti che superano i 15 metri usare linea seriale 485 con interfaccia IT-485 (morsetti 7-11).

## B) PROGRAMMING SIB-600 SERIAL CARD

**6= PARAMETRI LOCALI :**

programmazione dei parametri locali della centrale.

DESIDERATE MODIFICARE IL LAMPEGGIO DEI LEDs NEI SENS./MODULI  
(S=SI, N= NO): S  
DESIDERATE ABILITARE IL LAMPEGGIO DEI LEDs NEI SENS./MODULI ?  
(S= SI, N=NO):

(Vedi nota 6.1)

**Nota 6.1 : LAMPEGGIO DEI LEDS** - è possibile abilitare o meno il lampeggio dei led presenti sui sensori o moduli, durante l'interrogazione normale.

Questa funzione può essere utile in ambienti quali ospedali, alberghi, ecc.

**7 = SCHEDA SERIALE SIB-600:**

installazione o rimozione della scheda SIB-E per il collegamento ad annunciatori, terminale grafico o sistema di supervisione, ed installazione o rimozione degli annunciatori.

Sul display comparirà il seguente menù:

|            |                          |
|------------|--------------------------|
| PROGRAM :  | 1= INSTALLA SIB-600      |
| SIB600 E : | 2=SINOTTICI              |
| SINOTT :   | 3=PROGR. SERIALI SIB-600 |

Premendo 1=INSTALLA, avremo:

LA SCHEDA SIB-600 E' INSTALLATA NELLA CENTRALE ?  
(S= SI, N= NO) S

Rispondendo NO si ritorna allo schermo principale.

Premendo 2= SINOTTICI, comparirà:

|     |   |  |   |   |   |
|-----|---|--|---|---|---|
| A01 | S | messaggio programmabile - 32 caratteri | " | " | " |
| A02 | S | "                                      | " | " | " |
| A03 | N | "                                      | " | " | " |

Le frecce permettono di scorrere l'elenco, il cursore lampeggia nella posizione di input.

Premendo 3= COLLEGAMENTO SERIALI, avremo:

DESIDERATE MODIFICARE LA PROGRAMMAZIONE LINEE SERIALI ?  
(S= SI, N= NO): S

Rispondere principale.  
(vedi nota 7)

QUALE TIPO DI LINEA DI COMUNICAZIONE DESIDERATE ?  
(0= NO, 1=RS232, 2=RS485) :

SELEZIONARE LA VELOCITA' DI COMUNICAZIONE  
(0=2400, 1=4800, 2=9600, 3=19200) :

INSERIRE L'INDIRIZZO DI CENTRALE ? (1 ... 16) :

DESIDERATE MODIFICARE L'ABILITAZ. DEL DOWNLOAD DA REMOTO ?  
(S= SI, N= NO):S

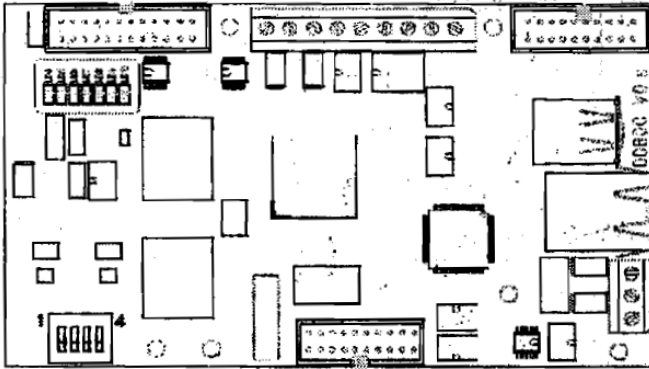
(Vedi Nota)

ABILITAZIONE DOWNLOAD DA REMOTO? (1=Sempre, 2=Solo In Modif. Stato) :

The screenshot shows the 'Notifier' interface with a checkmark at the top. Below it, there are three input fields: 'Descrizione' (empty), 'Numero Porta Seriale' (containing '2'), and 'Parola Password' (containing '01 hex'). A red circle is drawn around the 'Parola Password' field, and a red line connects it to the 'INSERIRE L'INDIRIZZO DI CENTRALE ?' field in the text above.



## C) CONNECTIONS OF SIB-600 OEM SERIAL CARD ON NEW NOTIFIER PANELS

**6.7 TOPOGRAFICO SCHEDA SIB600OEM (per AM2000, AM4000 e AM6000)**

Scheda di comunicazione seriale (RS-232 oppure RS-485) per le nuove centrali AM2000, AM4000 e AM6000 con firmware con protocollo CEI 79.4 interfaccia per la connessione al software NOTI-FIRE-NET-2000-N e al sistema Euro-NET.

**6.7.1 MORSETTIERA SIB600OEM DCB01**

| CNSE |          |             |
|------|----------|-------------|
| 1    | RTS      | RS232       |
| 2    | TX       |             |
| 3    | RX       |             |
| 4    | -        | RIFERIMENTO |
| 5    | GNDIS    |             |
| 6    | TX+/LIN+ | RS485       |
| 7    | TX-/LIN- |             |
| 8    | -        |             |
| 9    | -        |             |

TUTTE LE PORTE SERIALI SONO OPTOISOLATE.

MORSETTI DA UTILIZZARE PER COLLEGAMENTO RS232  
 Morsetto n° 2: TX  
 Morsetto n° 3: RX  
 Morsetto n° 5: GNDIS

MORSETTI DA UTILIZZARE PER COLLEGAMENTO RS485  
 Morsetto n° 6: LIN +  
 Morsetto n° 7: LIN -

## D) PROGRAMMING THE NEW NOTIFIER PANELS

**Programmazione delle temporizzazioni**

Descrizione impianto

Deriva

Avviso deriva disabilitato

Modalità NONA

Stampa/archiviazione disabilitata

Affidabilità linee

Guasto di risposta non valida: 5

Guasto di errato type-id: 10

Guasto dei circuiti aperti: 10

Guasto di basso valore camera: 20

Guasto di manutenzione: 216

Walk Test

Nessuna  Sinottico  Sirena  Modulo

Sinottico: 0 Punto: 0

Linea: 1 Modulo: 1

LIB

LIB1  LIB2  LIB3  LIB4

Parametri locali

Lampeggio led abilitato

Uscite allarmi

Tempo di ritardo sirena

Tempo di ritardo TX allarmi

Rilevatori

Verifica rilevatori disabilitati

Verifica rilevatori (s)

Parametri tacitazioni

Tempo di inibizione per tacitazione

Autotacitazione disabilitata

Tempo per l'autotacitazione

Guasti

Rete (s)

TX guasti (s)

SIB

:Abilitata

TCP-IP

0 . 0 . 0 . 1

Netmask

255 . 255 . 255 . 0

Gateway

0 . 0 . 0 . 0

**Notifier**

Descrizione

Numero Porta Seriale

2

Panel number

01 hex

Password OK Annulla

Enable SIB and set the identification number of the control panel.



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[www.eurekasupport.it](http://www.eurekasupport.it)