

MDRS232

RS232 interface module for
PREGIO series control units

090020946





FOREWORD

FOR THE INSTALLER:

Please follow carefully the specifications relative to electric and security systems realization further to the manufacturer's prescriptions indicated in the manual provided.

Provide the user the necessary indication for use and system's limitations, specifying that there exist precise specifications and different safety performances levels that should be proportioned to the user needs. Have the user view the directions indicated in this document.

FOR THE USER:

Periodically check carefully the system functionality making sure all enabling and disabling operations were made correctly. Have skilled personnel make the periodic system's maintenance. Contact the installer to verify correct system operation in case its conditions have changed (e.g.: variations in the areas to protect due to extension, change of the access modes, etc.)

This device has been projected, assembled and tested with the maximum care, adopting control procedures in accordance with the laws in force. The full correspondence to the functional characteristics is given exclusively when it is used for the purpose it was projected for, which is as follows:

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Any use other than the one mentioned above has not been forecast and therefore it is not possible to guarantee the correct functioning of the device. Similarly, any other use of this technical manual other than the one it has been compiled for—that is: to illustrate the devices technical features and operating mode—is expressly prohibited.

The manufacturing process is carefully controlled in order to prevent defaults and bad functioning. Nevertheless, an extremely low percentage of the components used is subjected to faults just as any other electronic or mechanic product. As this item is meant to protect both property and people, we invite the user to proportion the level of protection that the system offers to the actual risk (also taking into account the possibility that the system was operated in a degraded manner because of faults and the like), as well reminding that there are precise laws for the design and assemblage of the systems destined to these kind of applications.

The system's operator is hereby advised to see regularly to the periodic maintenance of the system, at least in accordance with the provisions of current legislation, as well as to carry out checks on the correct running of said system on as regular a basis as the risk involved requires, with particular reference to the control unit, sensors, sounders, dialler(s) and any other device connected. The user must let the installer know how well the system seems to be operating, based on the results of periodic checks, without delay.

Design, installation and servicing of systems which include this product, should be made by skilled staff with the necessary knowledge to operate in safe conditions in order to prevent accidents. These systems' installation must be made in accordance with the laws in force. Some equipment's inner parts are connected to electric main and therefore electrocution may occur if servicing was made before switching off the main and emergency power. Some products incorporate rechargeable or non rechargeable batteries as emergency power supply. Their wrong connection may damage the product, properties and the operator's safety (burst and fire).

DISPOSAL INSTRUCTIONS



According to Directive 2012/19/EU on the Waste of Electric and Electronic Equipment (WEEE), it is here specified that this Electrical-Electromechanic Device started to be commercialized after 13th August 2005, and it shall be disposed of separately from ordinary waste products.

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1. GENERALS

MDRS232 is an optional module that is used to interface the PREGIO series control units with compatible external devices, e.g. mod. ETREIB, in order to let system integrators work with PREGIO control units too.

The module is connected to the control unit through a multi-wire cable with non-reversible connector, plugged in the “Espansione” (expansion) connector of the unpowered main board; at the other side, it makes available a Mini-DIN connector and a 10-pin connector for future uses.

The device is sold with three nylon spacers with adhesive base that can be used to fix it inside the control unit housing.

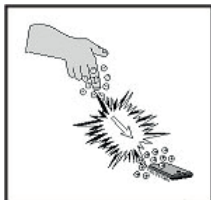
Note: using MDRS232 with the PREGIO control units requires ETREIB v.4.x or higher.

2. TECHNICAL DATA

| | |
|------------------------------|---|
| Model: | MDRS232 |
| Appearance: | Board with SMD connector |
| Power: | 12 Vcc provided via connector |
| Current draw: | usually 1 mA |
| Connections: | IN input connector, Mini-DIN output connector, OUT output connector for future uses |
| Operating conditions: | From -10 to +55 °C and according to the control unit |
| Weight: | 13 g (module only) |
| Dimensions: | W50 × H40 × D21 (connector included) mm |

The MDRS232 expansion board is intended as an accessory for CE-labelled PREGIO series control units. It comes with the CE Declaration of Conformity available at the end of this manual and downloadable from www.elmospa.com

3. INSTALLATION

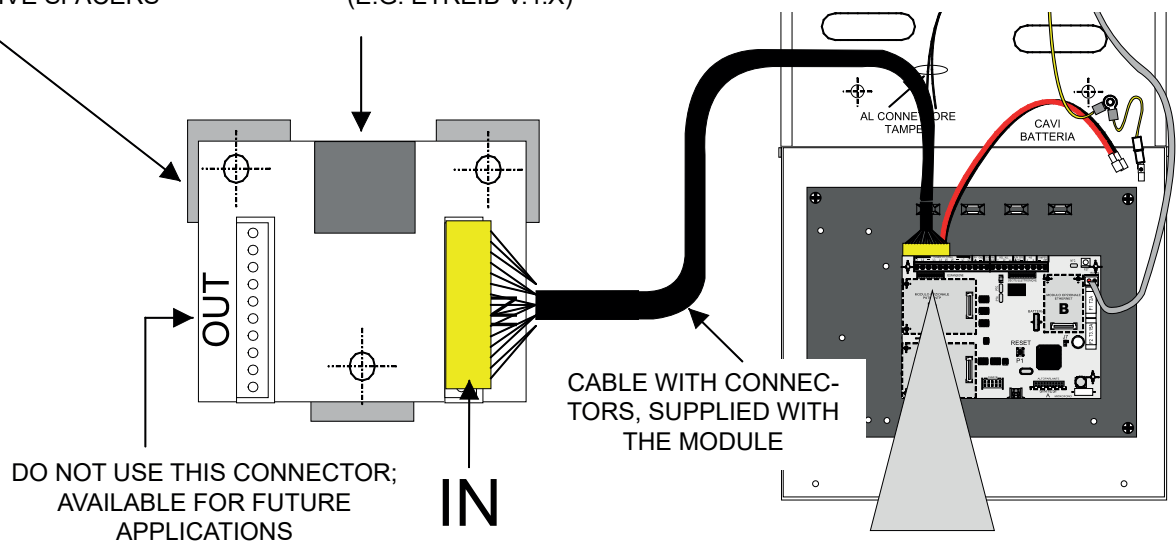


Warning: no electrostatic charges shall be present upon opening the housing, for they might damage the internal electronic boards and the accessory components. This same care shall be taken during installation, updates and maintenance procedures. Install only on an unpowered control unit.

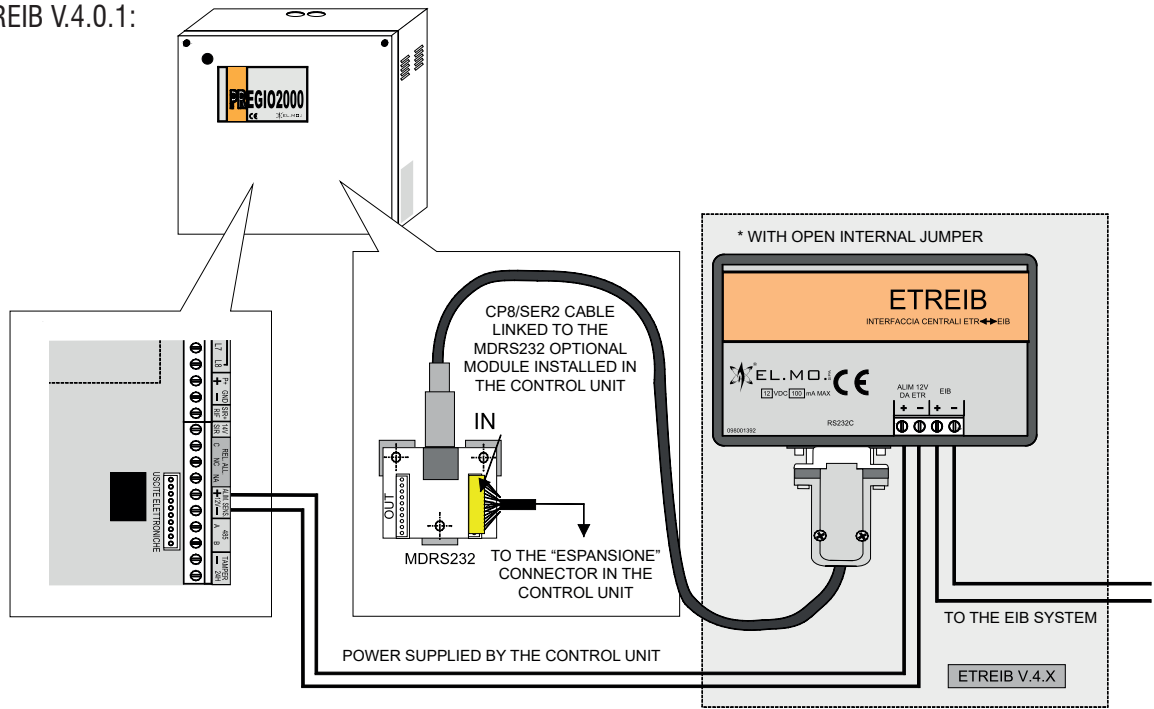
PLACE THE MODULE INSIDE THE HOUSING OF THE CONTROL UNIT, USING THE THREE SUPPLIED ADHESIVE SPACERS

MINI-DIN CONNECTOR FOR THE CP8/SER2 CABLE AND COMPATIBLE DEVICES (E.G. ETREIB V.4.X)

PLUG IN THE “ESPANSIONE” CONNECTOR



Example with ETREIB V.4.0.1:



WARNING: CONSIDERING THE DIMENSION OF THE CASING OF ETREIB AND OF THE CABLE CONNECTORS, IT IS POSSIBLE TO FIX THE ETREIB MODULE INSIDE THE HOUSING OF PREGIO2000 OR PREGIO1000MB. IF, FOR WHATEVER REASON, THIS SHOULD NOT BE POSSIBLE, USE A SEPARATE BOX TO BE PLACED AT THE SIDE OF THE CONTROL UNIT. THIS BOX HAS TO BE TAMPER-PROTECTED AGAINST OPENING AND REMOVAL

4. CE DECLARATION OF CONFORMITY



DICHIARAZIONE DI CONFORMITÀ



DECLARATION OF CONFORMITY

EL.MO. s.p.a

dichiara sotto la propria responsabilità che il prodotto / declares that the product:

MDRS232

Interfaccia / Interface

al quale questa dichiarazione si riferisce, è conforme alle seguenti norme: to which this declaration is referred to is in conformity with the following:

| | |
|----------------------------------|--|
| EN 50130-4 2011-06 | Sistemi d'allarme Parte 4: Compatibilità elettromagnetica Norma per famiglia di prodotto: Requisiti di immunità per componenti di sistemi antincendio, antifurto e di allarme personale. Alarm systems Part 4: Electromagnetic compatibility Product family standard: Immunity requirements for components of fire, intruder and social alarm systems |
| EN61000-6-3 2007-01 + A1 2011-03 | Compatibilità elettromagnetica(EMC), Parte 6-3: Norme generiche - Emissione per gli ambienti residenziali, commerciali e dell'industria leggera. Electromagnetic compatibility (EMC), Part 6-3: Generic standards - Emission standard for residential, commercial and light-industrial environments. |

e quindi rispondente ai requisiti essenziali delle direttive: and then in accordance with the following directives:

| | |
|---|---|
| <input checked="" type="checkbox"/> 2004/108/CE Compatibilità elettromagnetica Electromagnetic compatibility | <input type="checkbox"/> 2006/95/CE Sicurezza di bassa tensione Low voltage security |
| <input type="checkbox"/> 1999/5/CE (R&TTE) Direttiva Europea apparati radio e apparecchiature terminali di telecomunicazione. European Directive wireless equipment and telecommunication apparatus. | |
| <input checked="" type="checkbox"/> 2011/65/UE (RoHS) Direttiva Europea sulla restrizione dell'uso di determinate sostanze pericolose nelle apparecchiature elettriche ed elettroniche European Directive Restriction of Hazardous Substances | |

Campodarsego 26/05/2015

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Product specifications as described above do not bind the manufacturer and may be altered without prior notice.

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