

ETRREL4

Multiple output relay module

090060684



IMQ-SISTEMI DI SICUREZZA



FOREWORD

FOR THE INSTALLER:

Comply strictly with current standards governing the installation of electrical systems and security systems, and with the manufacturer's directions given in the manuals supplied with the products.

Provide the user with full information on using the system installed and on its limitations, pointing out that there are different levels of security performance that will need to suit the user's requirements within the constraints of the specific applicable standards. See that the user looks through the warnings given herein.

FOR THE USER:

Check the system's operation thoroughly at regular intervals, making sure the equipment can be armed and disarmed properly. Make sure the system receives proper routine maintenance, employing the services of specialist personnel who meet the requirements prescribed by current regulations.

Ask your installer to check that the system suits changing operating conditions (e.g. changes in the extent of the areas to be protected, change in access methods, etc...).

This device has been designed, built and tested with the utmost care and attention, adopting test and inspection procedures in accordance with current legislation. Full compliance of the working specifications is only achieved in the event the device is used solely for its intended purpose, namely:

Multiple output relay module

The device is not intended for any use other than the above and hence its correct functioning in such cases cannot be assured. Consequently, any use of the manual in your possession for any purpose other than those for which it was compiled - namely for the purpose of explaining the product's technical features and operating procedures - is strictly prohibited.

Production processes are closely monitored in order to prevent faults and malfunctions. However, the componentry adopted is subject to an extremely modest percentage of faults, which is nonetheless the case with any electronic or mechanical product.

Given the intended use of this item (protection of property and people), we invite you to adapt the level of protection offered by the system to suit the actual situation of risk (allowing for the possibility of impaired system operation due to faults or other problems), while reminding you that there are specific standards for the design and production of systems intended for this kind of application.

We hereby advise you (the system's operator) to see that the system receives regular routine maintenance, at least in accordance with the provisions of current legislation, and also check on as regular a basis as the risk involved requires that the system in question is operating properly, with particular reference to the control unit, sensors, sounders, dialler(s) and any other device connected. You must let the installer know how well the system seems to be operating, based on the results of periodic checks, without delay.

Work involved in the design, installation and maintenance of systems incorporating this product should be performed only by personnel with suitable skills and knowledge required to work safely so as to prevent any accidents. It is vital that systems be installed in accordance with current legislation. The internal parts of certain equipment are connected to the mains and therefore there is a risk of electrocution when maintenance work is performed inside without first disconnecting the primary and emergency power supplies. Certain products include batteries, rechargeable or otherwise, as an emergency backup power supply. If connected incorrectly, they may cause damage to the product or property, and may endanger the operator (explosion and fire).

CE DECLARATION OF CONFORMITY

The ETRREL4 board complies with current European EMC and LVD directives. You can log into the elmospa.com website to read the full Declaration of Performance: registration is quick and easy.

DISPOSAL INSTRUCTIONS - INFORMATION FOR THE USER



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.

IT08020000001624



1. GENERAL FEATURES

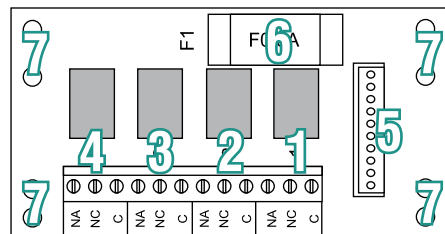
The ETRREL4 board is used to repeat four functional statuses or four programmable outputs of compatible devices such as control units from the CPxx, NET, Villeggio, ETR and TITANIA series, TR8 and TR8B transponders and RIVER concentrators. It is equipped with four potential-free relays that can withstand up to 3 A @ DC 24 V. ETRREL4 can be installed inside the housing of a control unit by using the provided nylon clips with adhesive base.

Note: ETRREL4 can not be used in place of CP8/REL or UNIREL boards in systems controlled by HSxx series control units or in place of any board intended to work with open collector devices.

2. TECHNICAL SPECIFICATIONS

Model:	ETRREL4
Power supply:	DC 12 V
Current draw:	60 mA max @ 12 V
Connectors:	keyed connector for power and control signals; C-NC-NO terminal blocks for relay outputs
Relay contact range:	3 A @ DC 24 V
Protection:	on-board 0.5 A fuse for relay power supply
Operating conditions:	-10 to +45 °C as stated by the manufacturer — 93% r.h.
Weight:	45 g
Dimensions:	L50 × H90 × P30 mm
Parts supplied:	Technical manual, four clips with adhesive base, multi-polar connection cable (L 600 mm)

3. BOARD DIAGRAM



1. Relay 1 and its terminals
2. Relay 2 and its terminals
3. Relay 3 and its terminals
4. Relay 4 and its terminals
5. Keyed connector. Use the provided cable to connect it to the same-shaped connector on the main board of the control unit, transponder or concentrator.
6. 0.5 A fuse
7. Holes for the provided nylon clips

The C-NC-NO terminals for each relay are marked C-NC-NA.

Sometimes, depending on the status of the compatible control units, the NC and NO contacts might be swapped: always refer to the technical manual of the control unit.

Install ETRREL4 inside the housing of the control unit or in any housing protected with tamper switches against opening and removal. The connected transponder or concentrator has to be placed inside the same housing.

ETRREL4 - Multiple output relay module
TECHNICAL MANUAL - April 2017 edition

090060684

The information and product features herein are not binding and may be changed without prior notice.

EL.MO. SpA Via Pontarola, 70 - 35011 Campodarsego (PD) - Italy
Tel. +390499203333 - Fax +390499200306 - Technical Ass. +390499200426 - www.elmospa.com - international@elmospa.com