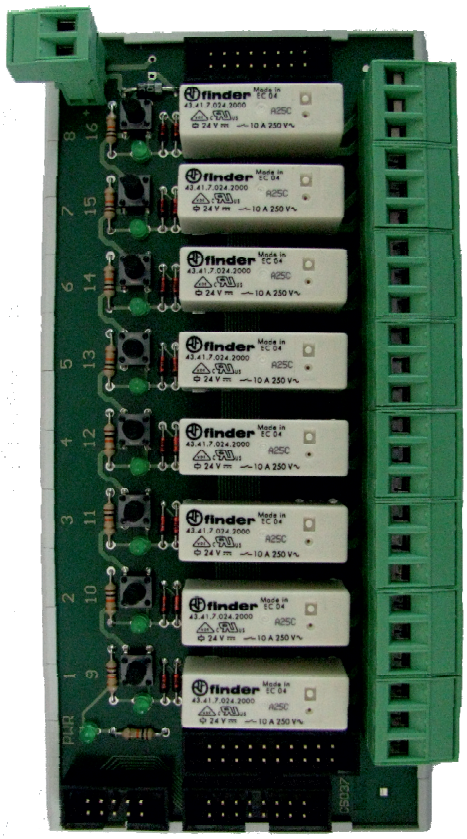
INSTALLATION AND USER'S GUIDE

Language manual	English
Product	**Z-8R-10A**
Description	**Relays board**

Contents: ***Pag.***



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1.0 DISCLAIMER

Before executing any operation it's mandatory to read all the content of this user manual. Only electrical-skilled technicians can use the module described in this user Manual.

Only the Manufacturer is authorized to repair the module or to replace damaged components.

No warranty is guaranteed in connection with faults resulting from improper use, from modifications or repairs carried out by Manufacturer-unauthorised personnel on the module, or if the content of this user Manual is not followed.

Seneca S.r.l. www.seneca.it
Via Austria, 26 - 35127 - PADOVA - IT

UNI EN ISO 9001 CERTIFICATE Nr. 9115.SENE

2.0 DESCRIPTION AND GENERAL SPECIFICATIONS

2.1 Description

8 relais on PCB with carrying capacity of 250 Vac, 10 A

2.2 General specifications

- Power supply of 24 Vdc.
- Easy connection on din rail by rear support.
- Screw terminal with section 2.5 mm^2 ,pitch 5.08 mm
- Signallings of relay status from led
- Easy connection for seneca module by a specific connector for flat cable

3.0 TECHNICAL SPECIFICATIONS

3.1 Power supply

Voltage supply	24 Vdc
Consumption	0,5 W

3.2 Relays

Number	8
Carrying capacity	250 Vac, 10 A

3.3 Connector

Connector	IDC 10, 16(2), 20 pins for flat cable
	Screw terminals pitch 3,5 mm

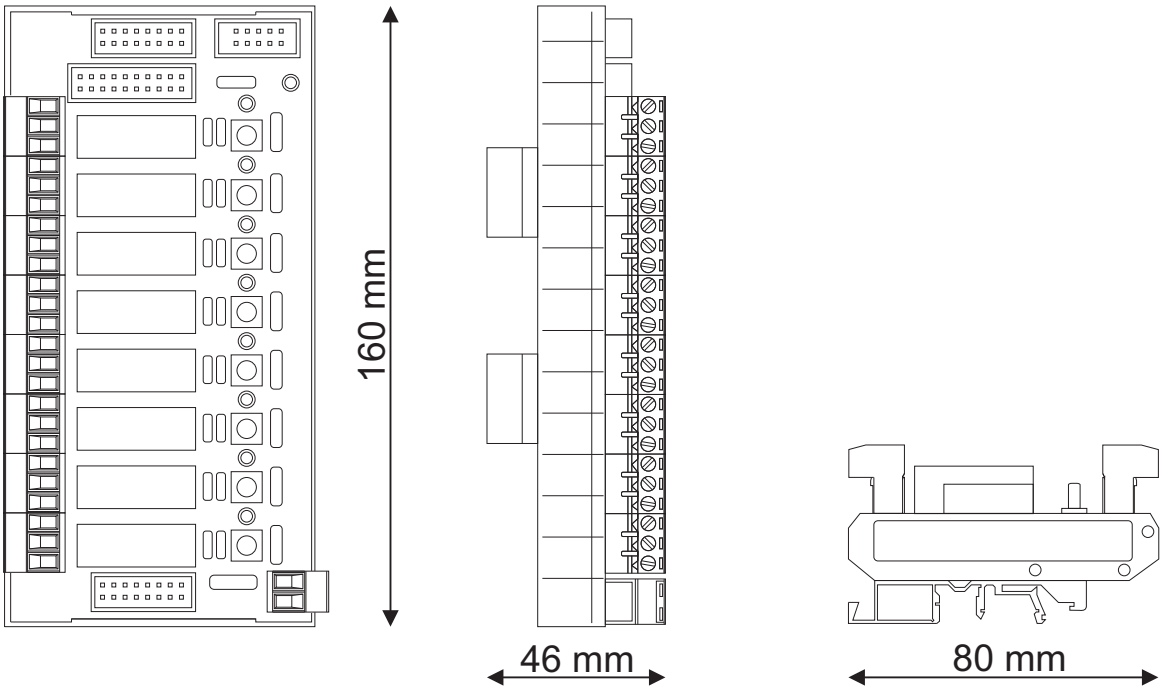
3.4 Environmental condition

Temperture	-30 °C.. +70 °C
Humidity	30 ..90% a 40 °C noncondensing
Altitude	Up to 3000 m above sea level
Storage temperature	-40 .. +85°C

3.5 Box

Dimension	L: 160 mm x H: 80 mm x W: 46 mm
Box	Polyamide, grey

3.6 Dimension



4.0 PRELIMINARY INSTRUCTION FOR USE

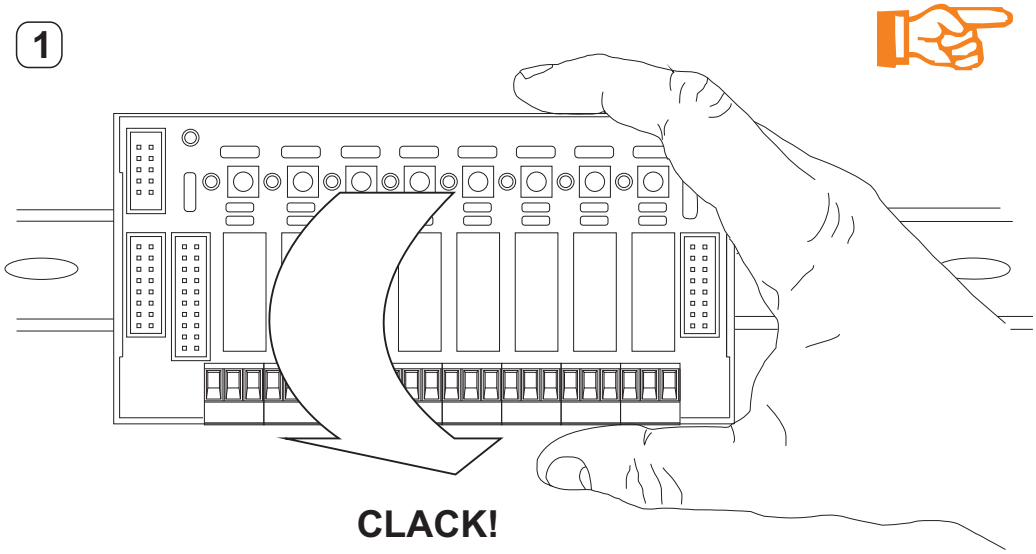
The module is designed to be installed on DIN 46277 rail in horizontal position (see picture 1).

It is forbidden to install the module near heat sources.

5.0 ELECTRICAL CONNECTIONS

Power off the module before connecting the relays output.

5.1 Installation on DIN 46277 rail



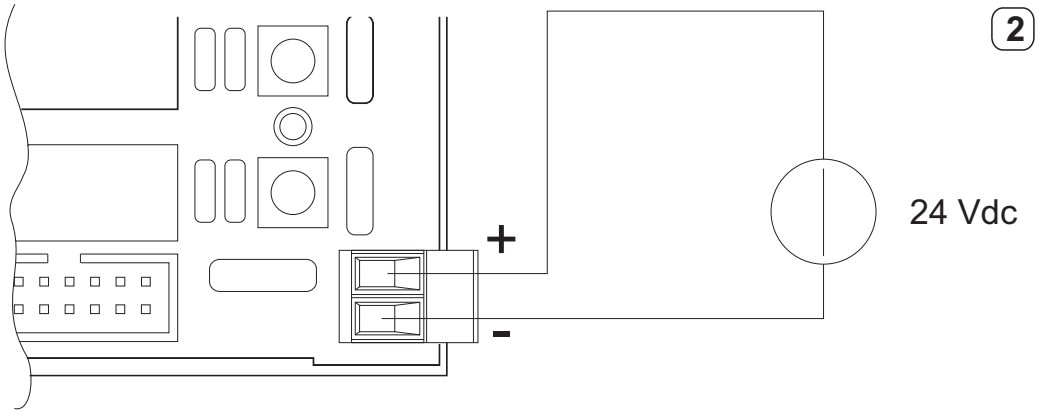
For a proper installation:

-Attach to the DIN rail the top of the rear support .

-Push down the relays board and press towards the din rail to hook the bottom of the rear support

5.2 Power supply

The 2-way screw terminal is only suitable to provided a 24 Vdc power supply to used Z-8R-10A in order to execute a relay test (modality test), optional connection.
Otherwise in the normal modality the Z-8R-10A only must use the flat cable connection, althought the 24 Vdc must be provided to digital output screw terminals of connected module.(see par. 5.4)

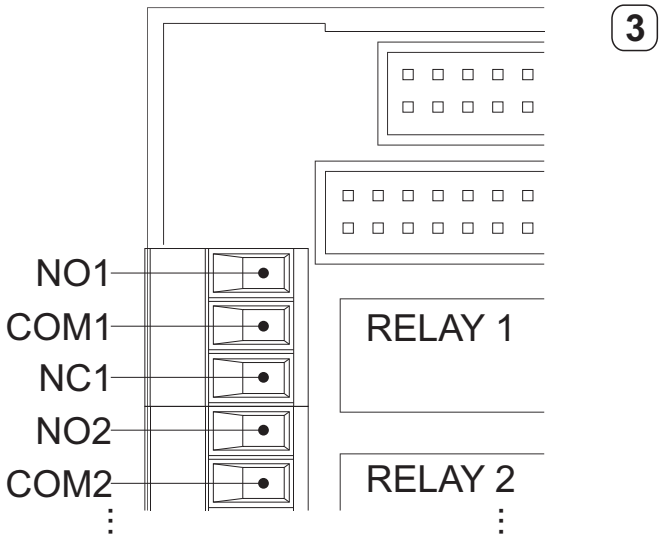


If the Z-8R-10A is powered correctly the green led «PWR» will light.

If the supply comes from Seneca's module and from flat it is possible to execute a test of relays operations.
To test the Z-8R-10A, execute in the order the following operations:
- Push an button
- Verify that the corrisponding relay functions properly
- Verify that the corrisponding led is on.

5.3 Relay output connection

It's possible to connect the outputs relay by use the screw terminal connectors.



5.4 Connection to the seneca module

The connected Seneca module can control the Z-8R-10A.
Use the following Seneca module to control the Z-8R-10A:

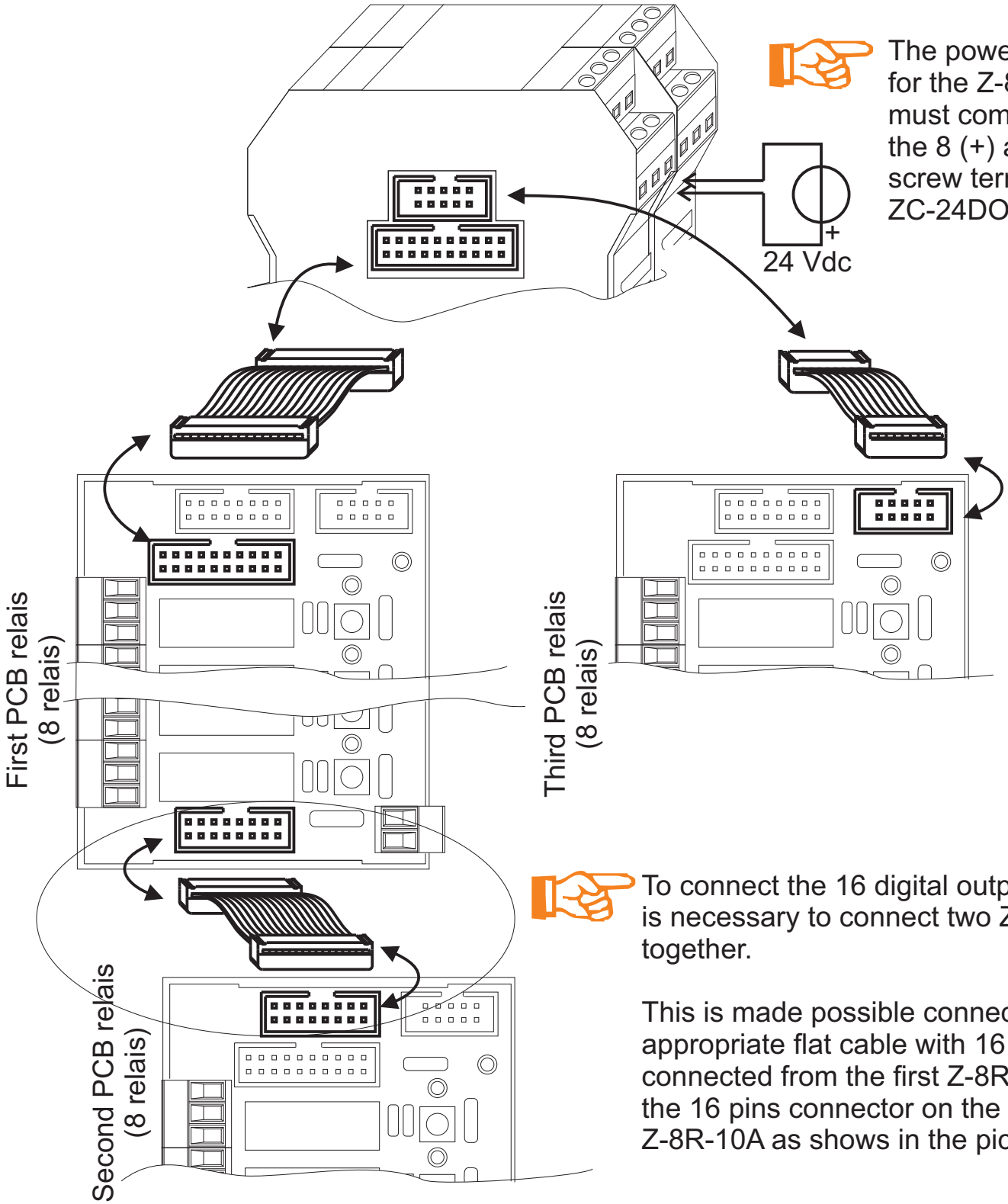
Z-10-D-OUT
ZC-24DO
ZC-16DI8DO

In the following paragraphs you will learn how to connect a Seneca module to the Z-8R-10A.

5.4.1. Connection to ZC-24DO

To connect all 24 digital outputs will need to use 3 Z-8R-10A. The picture below shows how to connect the 24 digital outputs of ZC-24DO to the 3 Z-8R-10A with the flat cables. Read the note below to know how to connect two Z-8R-10A together.

4



The power supply for the Z-8R-10A must come from the 8 (+) and 7(-) screw terminals of ZC-24DO.

To connect the 16 digital outputs is necessary to connect two Z-8R-10A together.

This is made possible connecting an appropriate flat cable with 16 pins connected from the first Z-8R-10A to the 16 pins connector on the second Z-8R-10A as shows in the picture.

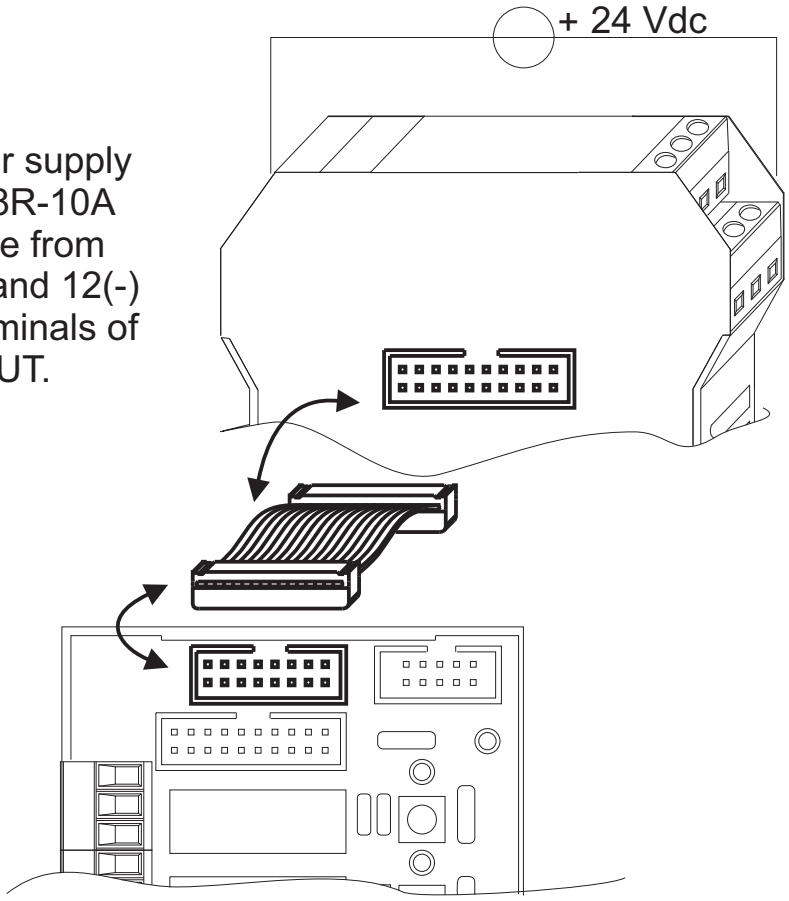
5.4.2. Connection to ZC-16DI8DO

To connect 8 digital outputs of the ZC-16DI8DO, replicate the connection saw in the ZC-24DO in the third Z-8R-10A.

5.4.3. Connection to Z-10-D-OUT

To connect the Z-10-D-OUT to the Z-8R-10A use the flat cable with 16 pins

The power supply for the Z-8R-10A must come from the 1 (+) and 12(-) screw terminals of Z-10-D-OUT.



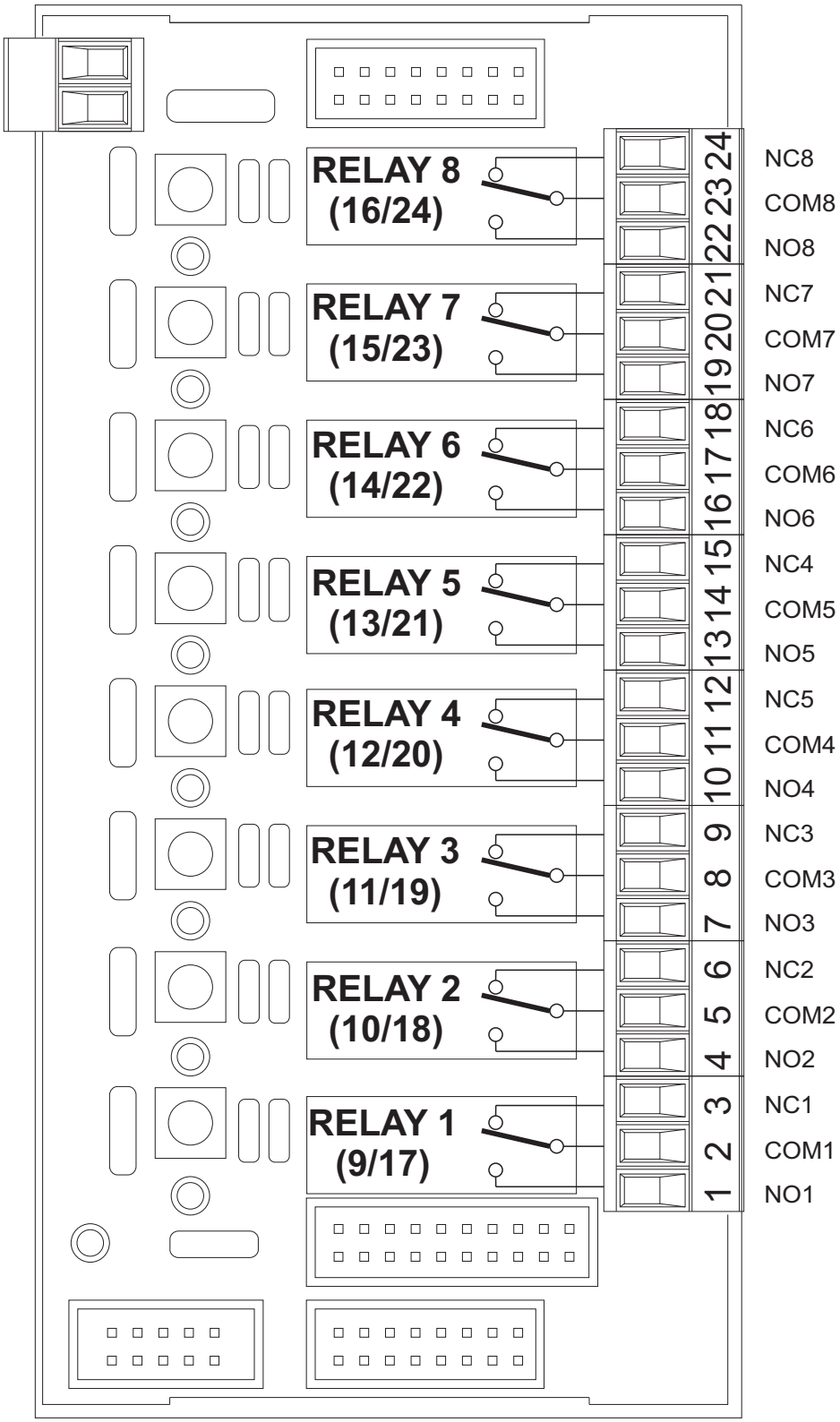
5

6.0 Correspondence between relays and Seneca digital outputs modules.

Seneca's module	Digital Output	Board N° (Z-8R-10A)	Relays Correspondence
ZC-24DO	1..8	1	Relay1..8
	9..16	2	Relay9..16
	16..24	3	Relay17..24
ZC-16DI8DO	1..8	1	Relay1..8
Z-10-D-OUT	1..8	1	Relay1..8

The table above shown the correspondence between the relays on Z-8R-10A and the digital outputs came from Seneca's module.

The picture of Z-8R-10A in the following page shows the screw terminals and relays numbering.



Disposal of Electrical & Electronic Equipment (Applicable throughout the European Union and other European countries with separate collections programs). This symbol, found on your producr or on its packaging, indicates that this product should not be treated as household waste when you wish to dispose of it. Instead, it should be handed over to an applicable collection point for the recycling of electrical & electronic equipment. By ensuring this product is didposed of correctly, you will help prevent potential negative consequences to the environment and human health, which could otherwise be caused by inappropriate disposal of this product. The recycling of materials will help to conserve natural resources. For more detailed information about the recycling of the product, please contact your local city office, waste disposal service of the retail store where you purchased this product.

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