Rayleigh Instruments
EST. 1964

Telephone : +44 (0) 1245 428500
Email : sales@rayleigh.com

RI-A5RO5A Module

2 x Relay Ouput Module for RI-F500 Series

- Extends the capability of the RI-F500 Series Multifunction Network Analysers
- Automatically recognised by RI-F500 Series

Product Description

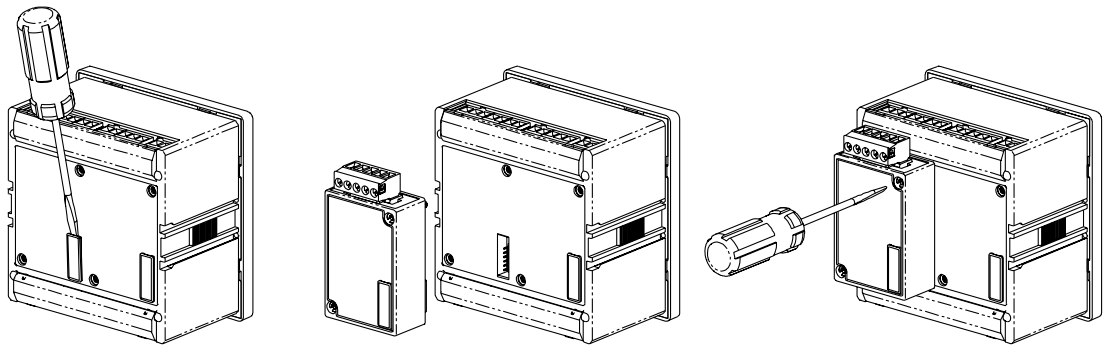
The RI-A5RO5A is a 2x relay output module used to extend the function of the RI-F500 Series Network Analysers.

Safety Instruction

Please read this user information carefully before using this module.
This module must be installed and serviced by professional personnel.
The installer is responsible for compliance with these instructions.

Installation and Operation

Disconnect the power supply of RI-F500/RI-F550, and then connect the RI-A5RO5A module to slot X2 (take slot X2 as example).



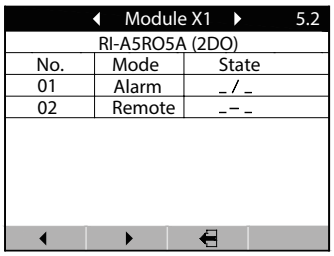
Connect the RI-F500/RI-F550 to the power supply, and then enter the module interface of the RI-F500/RI-F550 to check the information of slot X2. If the connection between the meter and the module is correct, the parameters of RI-A5RO5A will be shown.

Display

The diagram below shows the status information for the RI-A5RO5A:-

No. 01 is in alarm output status

No. 02 is in remote control status



Setting

There are two working modes for the relay:-

1. Alarm output

2. Remote control

Alarm output setting

Pulse width : 0…99.99s

Item : Please refer to the table on page 3.

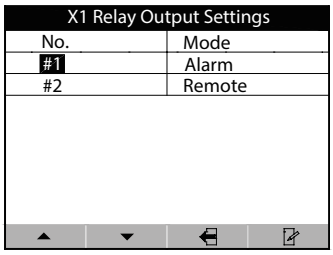
Threshold value : Alarm threshold value takes secondary value as reference.

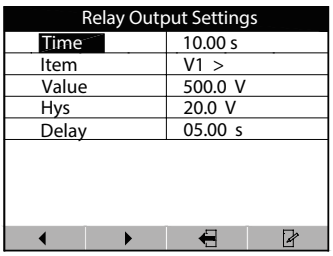
Hysteresis : Hysteresis takes secondary value as reference.

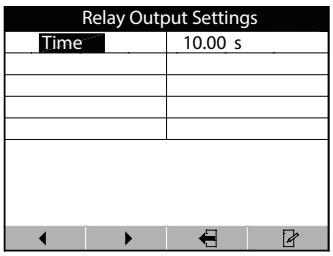
Delay : Delay time.

Remote control setting

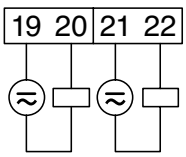
Pulse width : 0…99.99s







Wiring Diagram



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Alarm States

Item	Description	Unit
OFF	Off	-
DI	Select the channel of digital input linkage	0…5
THDi <	Low current harmonic distortion alarm	0.01%
THDi >	High current harmonic distortion alarm	0.01%
THDu <	Low voltage harmonic distortion alarm	0.01%
THDu >	High voltage harmonic distortion alarm	0.01%
Iunb <	Low current unbalance alarm	0.1%
Iunb >	High current unbalance alarm	0.1%
Uunb <	Low voltage unbalance alarm	0.1%
Uunb >	High voltage unbalance alarm	0.1%
I0 <	Low zero-sequence current alarm	0.001A
I0 >	High zero-sequence current alarm	0.001A
PF <	Low power factor alarm	0.001
PF >	High power factor alarm	0.001
S <	Low apparent power alarm	1VA
S >	High apparent power alarm	1VA
Q <	Low reactive power alarm	1Var
Q >	High reactive power alarm	1Var
P <	Low active power alarm	1W
P >	High active power alarm	1W
F <	Low frequency alarm	1Hz
F >	High frequency alarm	1Hz
Iavg <	Low average current alarm	0.001A
Iavg >	High average current alarm	0.001A
I <	Low single phase current alarm	0.001A
I >	High single phase current alarm	0.001A
Ulavg <	Low average line voltage alarm	xxx.xV
Ulavg >	High average line voltage alarm	xxx.xV
Unavg <	Low average phase voltage alarm	xxx.xV
Unavg >	High average phase voltage alarm	xxx.xV
Ul <	Low single line voltage alarm	xxx.xV
Ul >	High single line voltage alarm	xxx.xV
Un <	Low single phase voltage alarm	xxx.xV
Un >	High single phase voltage alarm	xxx.xV

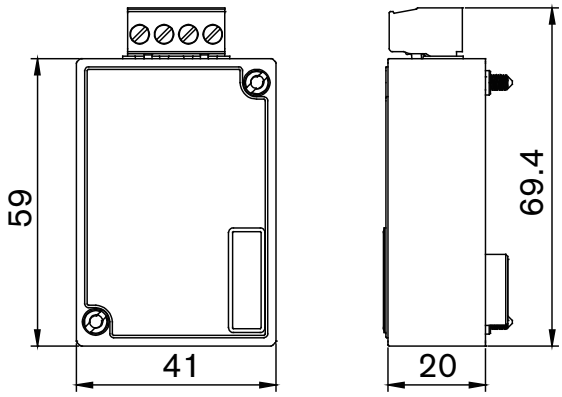
Technical Parameters

Measurement channels	2
Contact capacity	AC 250V/5A or DC 30V/5A
Electrical isolation	2500Vac

Environmental Conditions

Operating temperature	–25°C…+75°C
Storage temperature	–40°C…+85°C
Relative humidity	0…95%, non-condensing

Dimensions



Model Selection Table

Communications	Model
Two Relay Outputs module	RI-A5RO5A

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