

RI-A5RS485 Module



RS485 Modbus-RTU Module for RI-F500 Series

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

Product Description

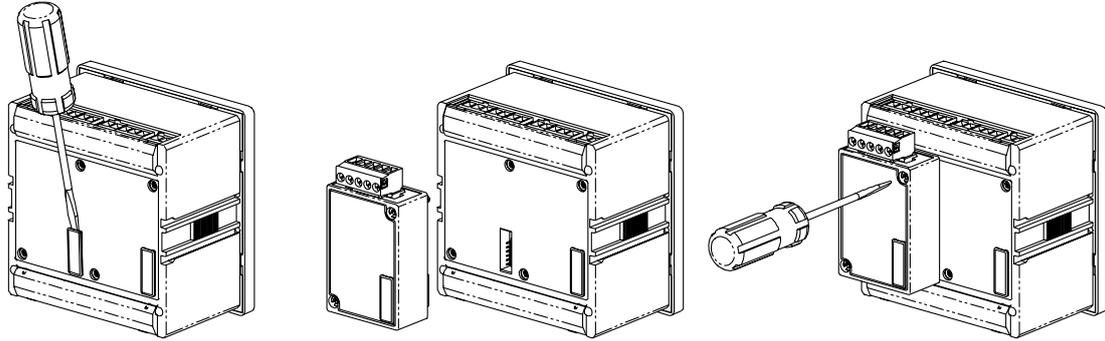
The RI-A5RS485 is a Modbus-RTU communication module used to extend the function of the RI-F500 Series Network Analysers.

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-A5RS485 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-A5RS485 will be shown.

Display

The diagram below shows the working modes of two digital inputs:-

No. 01 is in pulse counting status

No. 02 is in switch monitoring status.

Module X1 5.2		
RI-A5ACDI (2DI/AC220V)		
No.	Mode	State
01	PulseCount	0000012345
02	On-Off	— — —

Technical Parameters

Communication interface	RS485
Communication protocol	Modbus-RTU
Baud rate	≥ 9600bps

Environmental Conditions

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

Setting

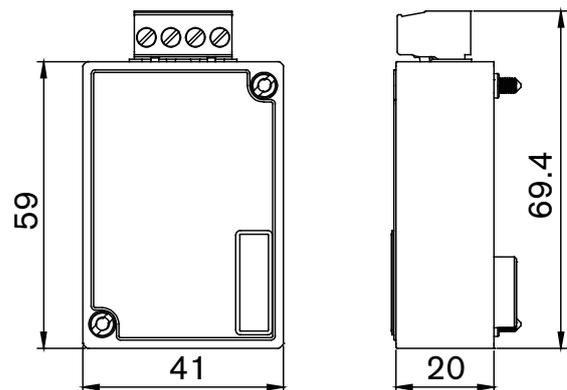
The RI-F500 Series multifunction network analysers will automatically identify installed modules.

There are three working modes for AC digital input:-

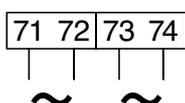
1. Pulse counting
2. Switch monitoring
3. Spare energy metering

Digital Input Settings	
No.	Mode
#1	PulseCount
#2	On-Off

Dimensions



Wiring Diagram



Model Selection Table

Communications	Model
RS485 Modbus-RTU Communication module	RI-A5RS485