RI-A5DCDI Module

4 x Digital Input 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-A5DCDI is a 4x digital inputs 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.

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Installation and Operation

Disconnect the power supply of RI-F500/RI-F550, and then connect the RI-A5DCDI module to slot X2 (take slot X2 as example).
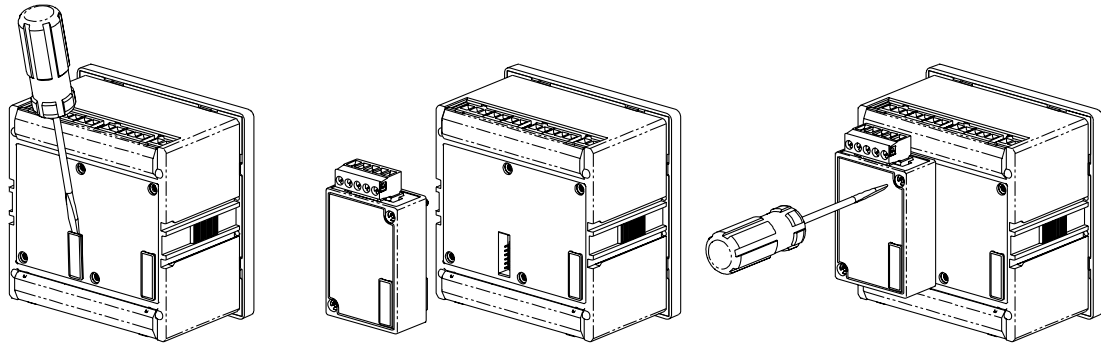
Connect the RI-F500/RI-F550 to the power supply, and then enter the module interface of the RI-F500/RI-F550 to check the information of slot X2. If the connection between the meter and the module is correct, the parameters of RI-A5ACDI will be shown.

Display

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

No. 01 is in pulse counting status, and the number is 32

No. 02 is spare energy metering status

No. 03 in switch monitoring status

No. 04 in switch monitoring status with input signal

| ◀ Module X2 ▶		5.3
RI-A5DCDI (4DI)		
No.	Mode	State
01	PulseCount	0000000032
02	Sp.Energy	╱▁
03	On-Off	╱▁
04	On-Off	▁╱▁
◀	▶	⏎

Setting

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

There are three working modes for digital input:-

1. Pulse counting

2. Switch monitoring

3. Spare energy metering

X2 Digital Input Settings	
No.	Mode
#1	PulseCount
#2	SpareEnergy
#3	On-Off
#4	On-Off
▲ ▼ ⏎ ✎	

Wiring Diagram

70 71 72 73 74
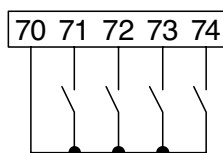
Technical Parameters

Measurement channels	4
Input type	Dry contact
Scanning time	30ms
Electrical isolation	2kV AC
Min. pulse width	5ms
Max. frequency	100Hz
Max. count value	99999999

Environmental Conditions

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

Dimensions

59   41   69.4   20
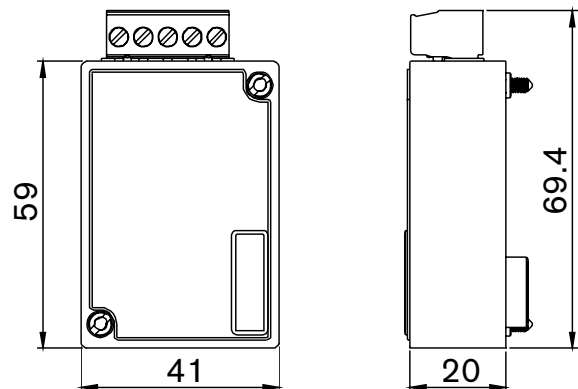
Model Selection Table

Communications	Model
Four Digital Inputs module	RI-A5DCDI

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