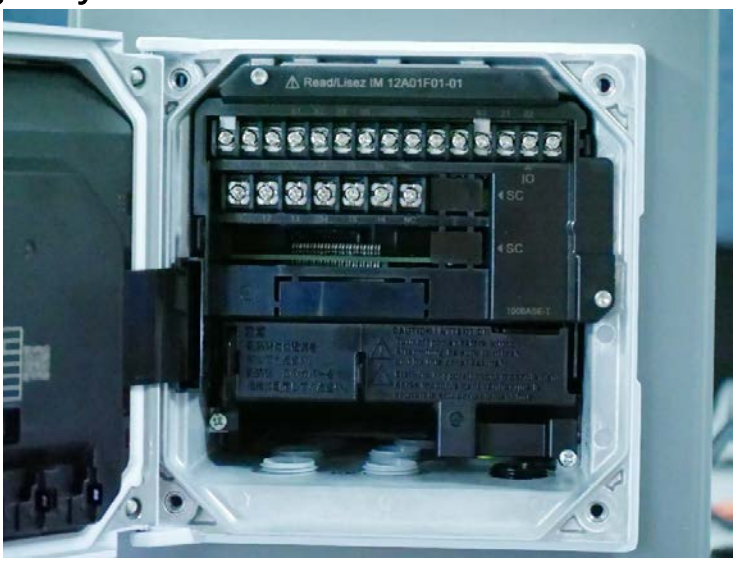
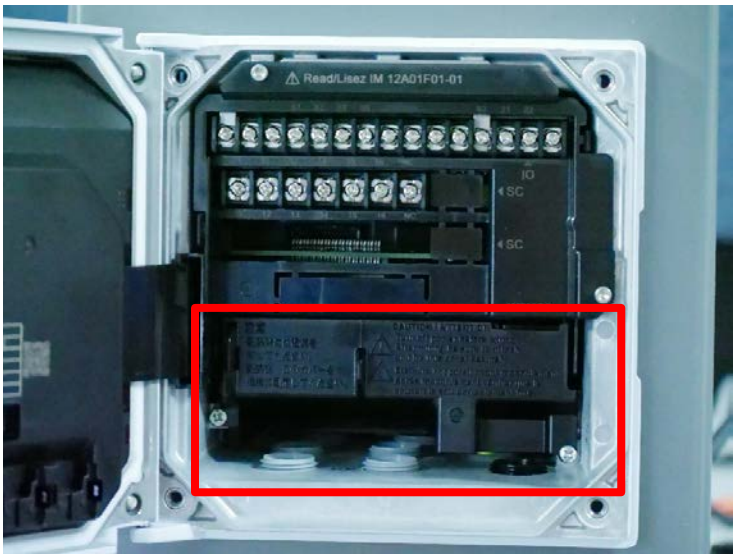
Quick Start-up Guide

How to wire and set up the relays on the FLXA402

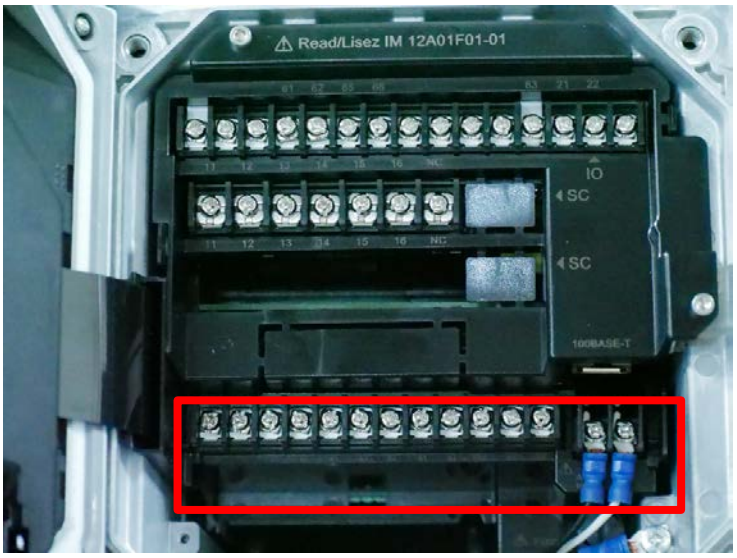
1. Wiring Relays

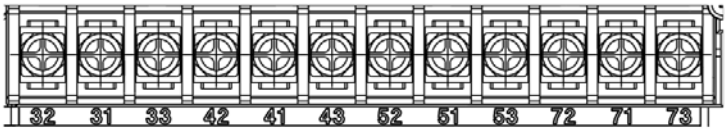


a. Cut any power to the analyzer
b. Unwire any sensor or OI connected to the upper rail. This will make it easier to access the relays.
c. Remove the cover over the relays, but unscrewing the 2 phillips head screws (they are captive), and pulling straight out.



d. Wire the desired contacts.





Terminal number	Contact terminals	Description
32	S1(NC)	Contact S1 Normally Close
31	S1(C)	Contact S1 Common
33	S1(NO)	Contact S1 Normally Open
42	S2(NC)	COntact S2 Normally Close
41	S2(C)	Contact S2 Common
43	S2(NO)	Contact S2 Normally Open
52	S3(NC)	Contact S3 Normally Close
51	S3(C)	Contact S3 Common
53	S3(NO)	Contact S3 Normally Open
72	S4(NO)	Contact S4 Normally Open
71	S4(C)	Contact S4 Common
73	S4(NC)	Contact S4 Normally Close

S1 is the left more set of terminals 31-33 and S4 is the right most set of terminals 71-73. Note that the center terminal of each set is the common terminal with the

NC terminal on the left and the NO terminal on the right. Below is the state of each relay during alarm, error, and power off.

Contact terminals	Normal operation when power on	Alarm on when power on	Power off
S1, S2, S3	C NO NC	C NO NC	C NO NC
S4	C NO NC	C NO NC	C NO NC

e. Replace relay cover
f. Rewire sensors and OI

2. Relay Setup in Analyzer

a. Turn analyzer on
b. Press the analyzer menu button

c. Press Setting

d. Press “Contact output settings (R)”

e. Select the contact you wish to set up

f. Select what you want to trigger the contact

Options for S1, S2, and S3 include Alarm, Hold, Wash, Error, USP, Simulate, and Off. S4 options include Alarm, Error, Simulate, and Fail safe. For a full description of each option, see Chapter 4.4 in the FLXA402 Operation Manual.

Once an item is selected, the analyzer will return to the previous screen. The save icon in the top right must be pressed for any changes to be stored.

g. Finish setting up the contact
The remain of the contact options page is setup options for each of the contact trigger. Now scroll down to the selected trigger's section and set the desired values.

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Be sure to press to store any changes before exiting the contact option page. For additional details on each option refer to section 4.4 in the FLXA404 operation manual Operation Manual