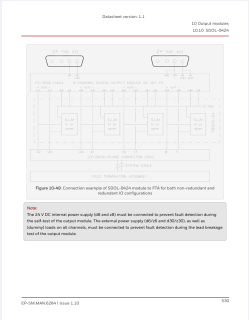
FIELD INSTALLATION QUICK GUIDE

Installation Instructions

FC-SDOL-0424 V1.5

Loop-monitored safety digital output module



PRODUCT	FC-SDOL-0424 V1.5
FAMILY	Safety Manager SDOL-0424
FUNCTION	Loop-monitored safety digital output module
STATUS	Verify exact installed equipment

Prepared by Amikon Limited from Honeywell documentation. This guide supplements the complete manufacturer manual and site procedure.

01 CONFIRM THE ORDERED CONFIGURATION

Output channels	4
Output signal	24 V DC solid-state source
Maximum channel current	1 A
Maximum module load	3.6 A
Maximum load inductance	0.5 H
Maximum load capacitance	1 uF

02 PREPARATION AND CONNECTION

- Use the SDOL-0424 IO-backplane and BSDOL-04UNI arrangement.
- Match A13/C9 key coding and the actual channel load range.
- Connect internal 24 V power at d8/z8 and the documented external supply.
- Provide a real or documented dummy load on every monitored channel.

03

OFFICIAL INSTALLATION REFERENCE

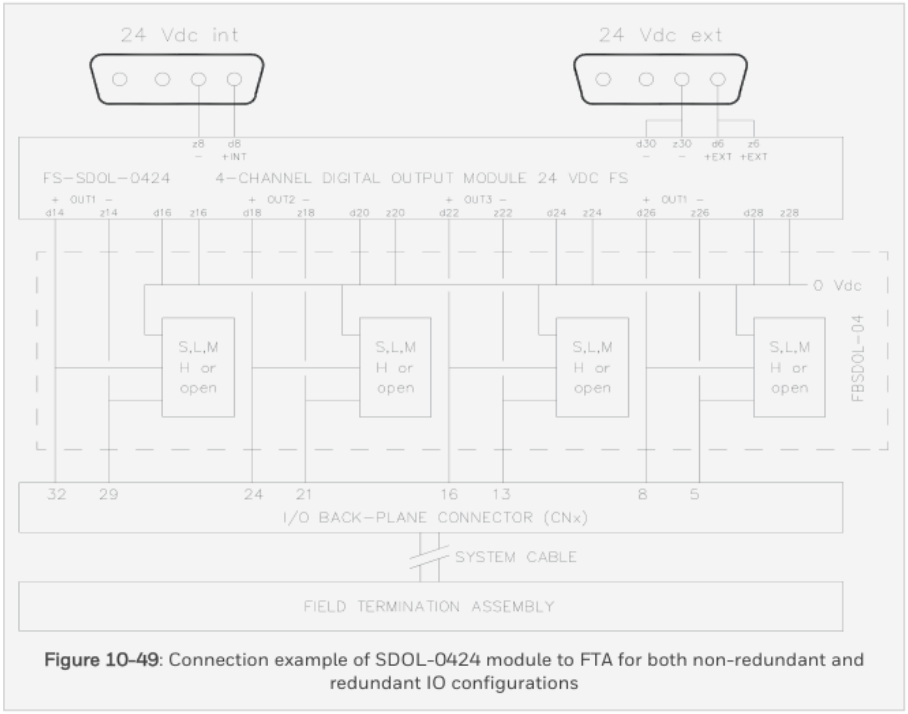


Figure 10-49: Connection example of SDOL-0424 module to FTA for both non-redundant and redundant IO configurations

Note:
The 24 V DC internal power supply (d8 and z8) must be connected to prevent fault detection during the self-test of the output module. The external power supply (d6/z6 and d30/z30), as well as (dummy) loads on all channels, must be connected to prevent fault detection during the lead breakage test of the output module.

Official manufacturer page reproduced at its original aspect ratio.

04 COMMISSIONING CHECKS

01	Check the loop-monitored module and the A13/C9 key coding.
02	Match each actual load to its documented BSDOL-04UNI current range.
03	Confirm internal and external 24 V connections required for self-testing.
04	Check each channel is within 1 A and module total within 3.6 A.
05	Verify the required spare-channel setting or dummy-load arrangement.
06	Test lead-breakage and de-energizing responses by the approved procedure.

05 CONTROLLED DOCUMENT

Official source	Honeywell Safety Manager EP-SM.MAN.6284, Release151, pp.394-400; R162 section10.10, pp.523-533.
Product record	FC-SDOL-0424 V1.5
Manufacturer	Honeywell
Warranty	12 months from AMIKON
Support	INFO@AMIKON.CN

AMIKON PRODUCT SUPPORT

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