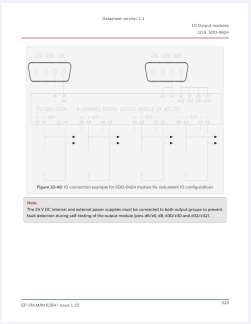
FIELD INSTALLATION QUICK GUIDE

Installation Instructions

FC-SDO-0424 V1.4

Four-channel safety digital output module



PRODUCT	FC-SDO-0424 V1.4
FAMILY	Safety Manager SDO-0424
FUNCTION	Four-channel 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, arranged as two groups of two
Output signal	24 V DC solid-state source
Maximum channel current	2 A
Maximum module load	6 A
Maximum lamp load	417 mA (10 W)
Maximum load capacitance	1 uF

02 PREPARATION AND CONNECTION

- Use the four-channel SDO-0424 chassis layout and A13/C5 coding.
- Retain the documented output-and-return allocation for both groups.
- Connect internal and external 24 V supplies to both output groups.
- Check d6/z6, d8, d30/z30 and d32/z32 against the connection example.

03

OFFICIAL INSTALLATION REFERENCE

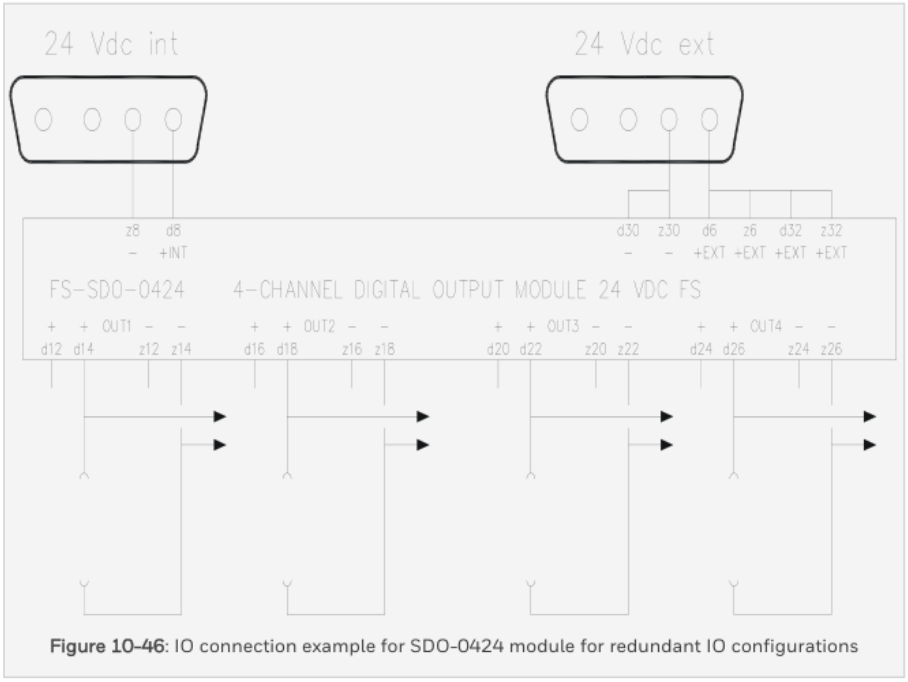


Figure 10-46: IO connection example for SDO-0424 module for redundant IO configurations

Note:
The 24 V DC internal and external power supplies must be connected to both output groups to prevent fault detection during self-testing of the output module (pins d6/z6, d8, d30/z30 and d32/z32).

Official manufacturer page reproduced at its original aspect ratio.

04 COMMISSIONING CHECKS

01	Match the four-channel SDO-0424 identity and A13/C5 coding.
02	Confirm the supply connections at both output groups.
03	Keep individual current at or below 2 A and module total at or below 6 A.
04	Apply the separate 417 mA lamp-load and 1 uF capacitance limits.
05	Verify all four output channels and both group de-energizing paths.
06	Review self-test diagnostics before releasing the safety function.

05 CONTROLLED DOCUMENT

Official source	Honeywell Safety Manager EP-SM.MAN.6284, Release151, pp.388-393; R162 section10.9, pp.513-522.
Product record	FC-SDO-0424 V1.4
Manufacturer	Honeywell
Warranty	12 months from AMIKON
Support	INFO@AMIKON.CN

AMIKON PRODUCT SUPPORT

+86-18020776786 INFO@AMIKON.CN **AMIKONG.COM**