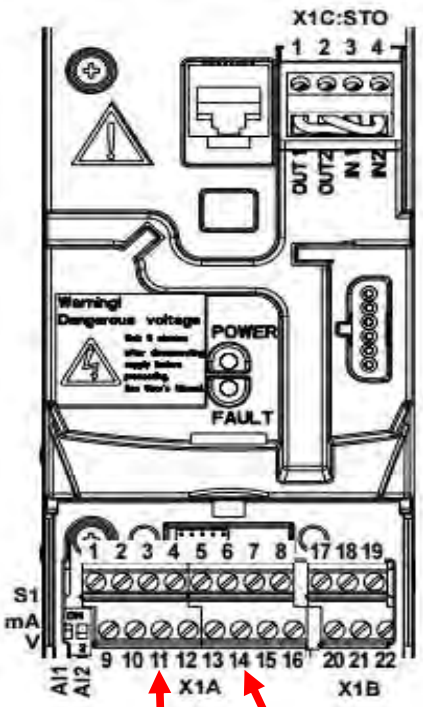
GFY® Connection For ESFR Suppression System

ACS355 Controller - 200-240VAC & 380-480VAC 3 Phase Applications Only

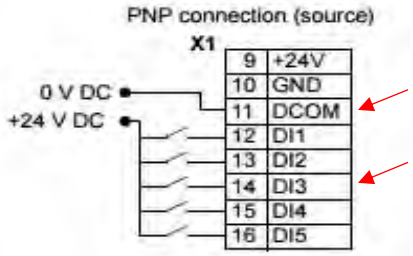


X1A:
1: SCR
2: AI1
3: GND
4: +10 V
5: AI2
6: GND
7: AO
8: GND
9: +24 V
10: GND
11: DCOM
12: DI1
13: DI2
14: DI3
15: DI4
16: DI5 digital or frequency input

X1B:
17: ROCOM
18: RONC
19: RONO
20: DOSRC
21: DOOUT
22: DOGND

X1C:STO
1: OUT1
2: OUT2
3: IN1
4: IN2

S1: Selects voltage or current as the signal types for analog inputs AI1 and AI2.

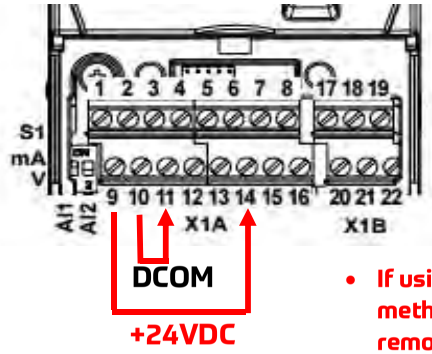


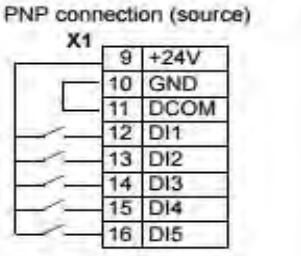
+24 VDC ESFR Digital Input

0 VDC DCOM From ESFR Circuit

1) **Primary Method - The Control is designed to take a PNP (Sourced) +24 VDC signal from an ESFR fire suppression system. The ESFR system will supply the +24V DC power.**
   - **Digital Input "DI3" (POS. 14) = +24V signal wire.**
   - **DCOM (POS. 11) = 0V common signal wire.**
   - **The Drive will go in to an alarm condition when the +24VDC signal is lost. Fan operation is prevented and the Control will stay in the alarm condition until the +24VDC signal is restored.**

2) **Alternate Solution - Run the output from Pin 9 (+24VDC) to a relay and run the output from the relay to Pin 14 (Digital Input 3 "DI3"). Control the relay with the ESFR fire suppression system.**





- **If using the primary ESFR connection method above both jumpers must be removed when the ESFR connection is made to the drive.**
- **If using the alternate method only the jumper from Pin 9 to Pin 14 is removed.**