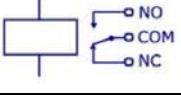
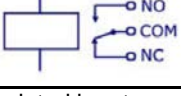


Wiring of DX1 digital extensions module

Mount DX1 in Slot 1 or 2 as described in the selected PP and/or VS profile. The wiring must be done according to the table below.

Digital input and relay connections			
Terminal no.	Marking	Function	Information
1	OUT2 COM	Relay 2 contact, common	 Relay 2
2	OUT2 N.C.	Relay 2 contact, normally closed	
3	OUT2 N.O.	Relay 2 contact, normally open	
4	OUT1 COM	Relay 1 contact, common	 Relay 1
5	OUT1 N.C.	Relay 1 contact, normally closed	
6	OUT1 N.O.	Relay 1 contact, normally open	
7	IN2 LOW	Digital input 2, negative (-)	Opto-insulated input
8	IN2 HIGH	Digital input 2, positive (+)	
9	NOT CONN.	Terminal is not connected internally	Reserved for future use
10	IN1 LOW	Digital input 1, negative (-)	Opto-insulated input
11	IN1 HIGH	Digital input 2, positive (+)	

Wiring of NX1 and NX2 NMEA extensions module

Mount the module in slot 1 or 2 as described in the selected PP and/or VS profile. The wiring must be done according to the table below.

Serial Extension Module NX 1 & 2				
Term. no.	Signal	NX1 Label	NX2 Label	Remark
1	COM 3 input	Don't use	RX3 – B	Opto-insulated serial input RS-422 (IEC 61162-1)
2	NMEA0183	Don't use	RX3 – A	
3	COM 1 input	Don't use	RX1 – B	Opto-insulated serial input RS-422 (IEC 61162-1)
4	NMEA0183	Don't use	RX1 – A	
5	Contact input 1	C-IN 1	C-IN 1	Push-button input 1 with internal pull-up to +5 V
6	Contact input 2	C-IN 2	C-IN 2	Push-button input 2 with internal pull-up to +5 V
7	COM 1 output	TX1 – A	TX1 – A	RS-422 differential output (IEC 61162-1)
8	NMEA0183	TX1 – B	TX1 – B	
9	Common GND	COMMON	COMMON	Note1
10	COM 2 in/out	Don't use	RX/TX2 – B	RS-485 configured as input or output.
11	NMEA0183	Don't use	RX/TX2 – A	This line is internally terminated with 120 Ω (switchable).

Note1: Common (Reference GND) for RS-485 COM port, COM 1 output and contact input.



Common (9) must NOT be connected to cable shield! The cable shield should be connected to a good ground connection in only one point!

You can download full documentation from www.deif.com.



-power in control



QUICK GUIDE



XDi, FleXible Display indicator

**Selection of illuminated indicators
available in one compact and easy-to-install unit**



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Document no.: 4189350046D

Power up the First Time

When power is applied to the XDi, it can take 45 seconds before the indicator is operational. When the XDi has not been configured, a start-up wizard will guide you through the selection of unique CAN node ID, product profile (PP), virtual indicator (VI) and its VS profile. User and installation menus make parameter adjustment possible. Please use the system supplier's documentation or download the "XDi designers handbook" for details.

Installation and operation

To mount the XDi, remove the front frame, insert the tip of your finger in the lower right corner and lift up the front frame.

Operate the unit using the four push-buttons. The different menus can be accessed by simultaneously pushing two of the four buttons for 3-5 seconds, see table below.

Menu/Function	Button 1 (left)	Button 2	Button 3	Button 4 (right)
Surveyor info	•	•		
Master reset	•		•	
User menu	•			•
Install menu ¹⁾		•	•	

CANopen

When XDi is on a CAN bus, make sure to assign a unique node ID for each unit and write it on the white label on the front. Please refer to the system manufacturer's documentation or download the "XDi designers handbook" and "XDi-net/CAN open reference manual".

Wiring of XDi main unit

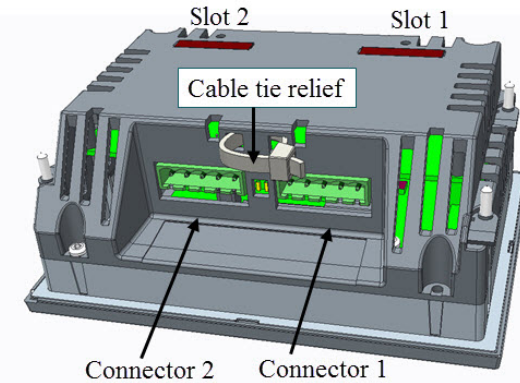
Type	Terminal no.	Signal	Marking	Remark
Connector 1	1	CAN 1	CAN 1 GND	Common (don't connect)
	2		CAN 1 LOW	
	3		CAN 1 HIGH	
	4	Supply Voltage	+24 V DC	Standard power input 1
	5		0 V	
Dill switch 1	-	ON/OFF	CAN 1 Term.	120 Ω termination
Dill switch 2	-	On/OFF	CAN 2 Term.	120 Ω termination
Connector 2	6	CAN 2	CAN 2 GND	Common (don't connect)
	7		CAN 2 LOW	
	8		CAN 2 HIGH	
	9	Supply Voltage	+24 V DC	Standard power input 2
	10		0 V	

Note 1: By default, the CAN bus termination switch is set to "OFF".

¹⁾ Can only be accessed from the user menu.



Both ends of the CAN bus must be terminated. This means that only 2 terminations must be switched "ON". **Do not** connect the CAN cable shield to CAN GND at terminal 1 or 6.



When the cables and connectors are mounted on the XDi, the cables should be relieved using a cable tie which is easily inserted in the two small slots above the connectors.

Wiring of AX1 analogue extensions module

Mount AX1 in slot 1 or 2 as described in the selected PP and/or VS profile. The wiring must be done according to the table below.

Voltage and current connection			
Terminal no		Signal	Input
+	-		
11	1	Voltage input +/-30 V	Port 1
9	10	Voltage input +/- 2 V	
		Current input +/- 2 mA	
9	8	Current input +/- 20 mA	
7	1	Voltage input +/-30 V	Port 2
5	6	Voltage input +/- 2 V	
		Current input +/- 2 mA	
5	4	Current input +/- 20 mA	
2	1	Dimmer input 0 to 30 V or used as +/-30 V input	Port 3
3	1	REF output +7.5 V. Acts as a reference input if an external voltage from +8 to +30 V is connected.	Reference in/out

Note 1: Terminal 1, (AGND) is common for input DIMM, REF, HV1+ and HV2+.

Note 2: Only one voltage or current input can be used for each port.