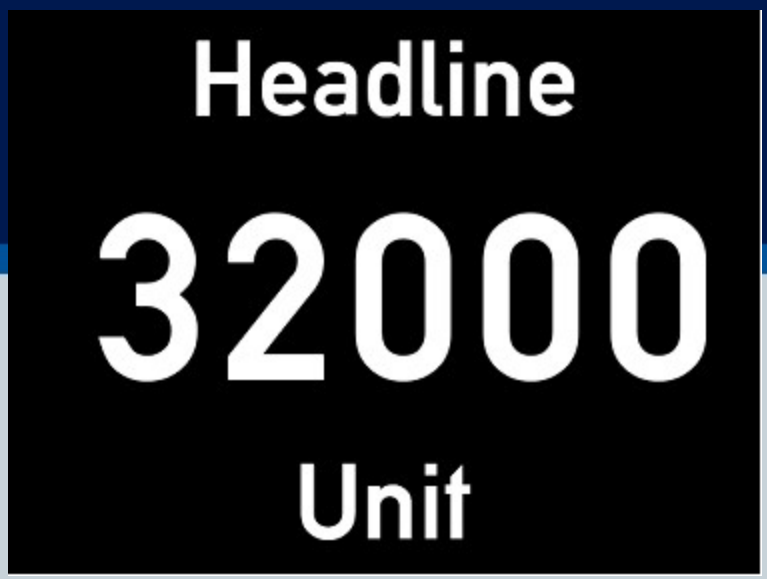
XDi 96 Dual

Large Digital



Library owner: DEIF STANDARD LIB

Library number: 51

Library version: 2002

Table of Contents

Library description :
This library contains a selection of universal indicators with large digital readout. Headlines, units and where relevant the scaling can be changed from the XDi installation menu.

Library status symbols :	
	Released & Locked
	Approved
	Pending
	Draft
	Not approved

Timestamp 08-02-2023 15:42:48

Library Specification

Library owner no. :	000001
Library owner name :	DEIF STANDARD LIB
Product type :	XDi 96
Performance class :	Dual
Library number :	51
Library name :	Large Digital
Library orientation :	Landscape
Library status :	Released & Locked
Library version :	2002
Last changed :	08-02-2023 15:42:47

Library default settings :

180 display rotation :	False
CAN NodeID :	30

Library notes :

08-02-2023/MAP, Ver. 2002: XDi main software update to Qt v.3.06.1 and Capp software is updated to v.3.06.0, this version supports presentation of UK MER flag mark in surveyor menu in addition to the wheel marking, no other changes are made.

19-01-2023/JOL, Ver.2001: VS help text for AX1: input lost <3.5mA is changed to "AX1 inp. lost below 3.5mA" to get it presented correkt is the PDF document.

20-10-2020/JOL, Ver.2000: First released version including VI001 and VI002.

Product profiles (PP)

Default settings of product and system related parameters, as dimmer and CANbus settings are stored in a product profile.

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PP No.	PP Name	Description	Status	Notes
1	PP01 XDi-net	**Front/XDi-net Dim** Dimming via XDi-net Use front button option to dim from front buttons. **Default settings:** Dimmer group 1 Auto Day/Night Shift at 70% Monitoring supply volt 1 XDi-net active	🔒	CANbus and Dimmer settings can be changed from XDi menu
2	PP02 Analogue	**A Dimmer** Required: AX1 module Dimmer potmeter (+ term 3, -term 1, wiper term 2) Can be reconfigured to voltage input **Default settings:** Dimmer group 1 Analogue Potmeter 0 to Vref (max. 30V) Auto Day/Night Shift at 70% Shared on XDi-net Monitoring supply volt 1	🔒	An external ref. voltage >7.5V can be connected to Vref out overwriting the internal Vref. From the user menu, you can alternatively reconfigure the analogue dimmer input to a normal voltage input.
3	PP03 CAN	**CAN Dimmer** CANopen TPDO dimming COB-ID 0x1A0, 0-100 (%) **Default settings:** Dimmer group 1 Auto Day/Night Shift at 70% Monitoring supply volt 1	🔒	DEIF default TPDO's are predefined and used in all standard libraries. The default TPDO's for dimmer group control can be changed to any TPDO or RPDO via user menu.
4	PP04 Digital	**Digital Dimmer** Required: DX1 in Slot 1 Digital input 1 up (+term 11,- term 10) Digital input 2 down (+term 8,- term 7) Simultaneous activation of IN1 and IN2 for Day/Night Shift **Default settings:** Dimmer group 1 Shared on XDi-net Monitoring supply volt 1	🔒	Digital input configuration can be changed from menu.

PP No.	PP Name	Description	Status	Notes
5	PP05 Lo Analog	**Analogue Dimmer Local** Required: AX1 in Slot 1 Dimmer potmeter(+ term 3 - term 1, wiper term 2) Can be reconfigured to voltage input **Default settings:** Dimmer group: Local Analogue Potmeter 0 to Vref (max. 30V) Auto Day/Night Shift at 70% Local-Not shared XDi-net Monitoring supply volt 1		The dimmer group is ”Local” and the dimmer input will only affect this unit, dimmer level will not be shared on XDi-net.
6	PP06 ECR Fixed	**ECR Fixed Dimmer** Fixed dimming setting adjust via setup buttons. Front button option can be used. **Default settings:** Dimmer group Local Dimmer level 80% to extend backlight life Local-Not shared XDi-net Auto Day/Night Shift at 20% Monitoring supply volt 1		Default fixed dimmer level is reduced to 75% to extend backlight life. Dimmer level and Day/Night colour can be changed from user menu.

Virtual Indicators (VI)

The VI contains the graphical layout of and indicator and defines all data types that are presented on the indicator.

Each VI has at least one VI-setup profile (VS) that defines the input types and default parameter settings.

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VI No.	Name	VI-setup profiles (VS)	Approvals	Status
001	Univ-1	4		
002	Univ-2	4		

 Approvals only apply for XDi 192.

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VI 001 **Univ-1**

Description : **Universal single**

No decimal point
(use VI002 if decimal is needed).

With selectable headline
and unit

Status :

VI Notes :

VI-setup profiles (VS) for VI001

VS No.	Name	Description	Status	Notes
1	VS01 XDi-net	**XDi-net input (CAN)** Universal datea 1 Index 0x3721-02 Max value +/-32750		When XDi is used as XDi repeater where a XDi using VS03 or 04 is transmitting data1 (0x3721-02) via XDi-net (CAN)
2	VS02 CAN TPDO	**CANopen TPDO input** Universal datea 1 Default TPDO COBID 0x181 Data type I16 byte 0 and 1 Max value +/-32750		TPDO COBID can be changed from XDi menu and input values can be rescaled, default is 1:1.

VI-setup profiles (VS) for VI001

VS No.	Name	Description	Status	Notes
3	VS03 Analogue	**Analog (0 to X)** AX1 module required Max value 0 to 32750 AX1 HI1 input 4-20mA HI1+ terminal 9 HI1 - terminal 8 Universal date 1 2 point calibration Default 4 mA = 0 20 mA = 14000 AX1 inp. lost below 3.5mA		Input type and scaling can be changed from XDi installation menu Data is shared on XDi-net CAN1 and 2
4	VS04 Analogue	**Analog (+/-X)** AX1 module required Max value +/-32750 AX1 HI1 input 4-20mA HI1+ terminal 9 HI1 - terminal 8 Universal date 1 3 point calibration Default 4 mA = -10000 12 mA = 0 20 mA = 10000 AX1 inp. lost below 3.5mA		Input type and scaling can be changed from XDi installation menu Data is shared on XDi-net CAN1 and 2

VI 002 **Univ-2**

Description : **Universal single**

With decimal point
Max. 3275.0 Min. -999.9

With selectable headline
and unit

Status :

VI Notes :

VI-setup profiles (VS) for VI002

VS No.	Name	Description	Status	Notes
1	VS01 XDi-net	**XDi-net input (CAN)** Universal datea 1 Index 0x3701-02 Max value +/-32750		
2	VS02 CAN TPDO	**CANopen TPDO input** Universal datea 1 Default TPDO COBID 0x181 Data type I16 byte 0 and 1 Max value +/-32750		TPDO COBID can be changed from XDi menu and input values can be rescaled, default is 1:1.

VI-setup profiles (VS) for VI002

VS No.	Name	Description	Status	Notes
3	VS03 Analogue	**Analog (0 to X)** AX1 module required Max value 0 to 3275.0 Resolution x0.1 AX1 HI1 input 4-20mA HI1+ terminal 9 HI1 - terminal 8 Universal date 1 2 point calibration Default 4 mA = 0 20 mA = 14000 AX1 inp. lost below 3.5mA		Input type and scaling can be changed from XDi installation menu Scale value 1000 = 100.0 (Resolution is 0.1) Data is shared on XDi-net CAN1 and 2
4	VS04 Analogue	**Analog (+/-X)** AX1 module required Max 3275.0 Min -999.9 Resolution x0.1 AX1 HI1 input 4-20mA HI1+ terminal 9 HI1 - terminal 8 Universal date 1 3 point calibration Default 4 mA = -9999 12 mA = 0 20 mA = 9999 AX1 inp. lost below 3.5mA		Input type and scaling can be changed from XDi installation menu. Scale value 1000 = 100.0 (Resolution is 0.1) Data is shared on XDi-net CAN1 and 2