Mounting Instructions

Easylon PCI Bus Interface

Order Code: P.P102xx-3

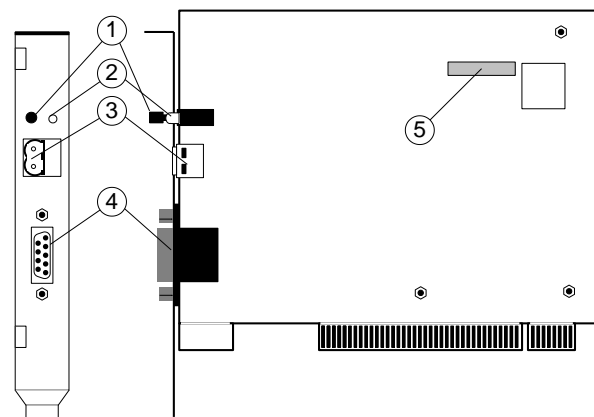### WARNING NOTES

Electrostatic sensitive device!

- Switch OFF the PC and disconnect power before you insert the card in a free PCI slot.

- Ensure a sufficient distance between interface card and other boards in the PC. Do avoid contact between PC boards.

- Ensure the grounding of the interface card via PC.

INSTALLATION

- The Easylon PCI Bus Interface is assigned four I/O port addresses on the PCI bus. The base address and also the interrupt will be set by the operating system itself.

- Switch OFF the PC and disconnect power before you insert the card to the PC! Fix the card with the screw.

- Switch on the power of the PC again.

- Install the driver from the Drivers & Documentation CD using the setup program. Please also read the "readme.txt" file for additional information. Detailed information is provided in the manual on the CD.

DESCRIPTION

The Easylon PCI Bus Interface is a plug-in interface card to connect PCI bus computers to the LONWORKS network. The card is compliant with the „PCI Local Bus Specification, Version 2.2" and can be used in 3.3V systems and PCI-X systems. With respect to the LONWORKS interface variants with transceivers for TPT/XF, FTT, EIA-485 and Direct Connect networks are available. For all interface card variants there are two different firmware versions available, MIP/P50 and NSI (cf. type identity sticker and table below).

(1) Service button
(2) Service LED
(3) Screw-plug terminal
     (not for EIA-485 variant)
(4) 9 pin D-type connector
(5) Type identity sticker on rear side

TECHNICAL SPECIFICATION

Neuron-Chip	3150/ 10 MHz
Transceiver	FTT-10, TPT/XF-78, TPT/XF-1250, EIA-485 (39 kbps), DC-1250, FTX
Coupling	parallel, Slave_A mode
Memory	MIP NSI
ROM (MIP/P50)	32 48,75 [KByte]
RAM (MIP/P50)	24 9 [KByte]
Power Supply	5 V from PC
Power Consumption	typ. 2 W
Operating temp.	0 ... +50 °C
Storing temp.	-20 ... + 60 °C
Humidity	class F (DIN 40040)
Connector	- Screw-plug terminal, - 9pin D-type (female)
Dimension	130 x 107 [mm] approx.
EMV	EN 610 00-6-2 EN 550 22 A/B

VARIANT TYPE IDENTIFICATION

Order #	Type Code	Description
P.P10201-3	LPP3.BA	MIP/P50, TPT/XF-78
P.P10202-3	LPP3.CA	MIP/P50, TPT/XF-1250
P.P10203-3	LPP3.DA	MIP/P50, RS 485
P.P10204-3	LPP3.AA	MIP/P50, FTT-10
P.P10205-3	LPP3.EA	MIP/P50, DC-1250
P.P10206-3	LPP3.FA	MIP/P50, FTX
P.P10211-3	LPP3.BC	NSI, TPT/XF-78
P.P10212-3	LPP3.CC	NSI, TPT/XF-1250
P.P10213-3	LPP3.DC	NSI, RS 485
P.P10214-3	LPP3.AC	NSI, FTT-10
P.P10215-3	LPP3.EC	NSI, DC-1250
P.P10216-3	LPP3.FC	NSI, FTX

CONNECTOR PIN ASSIGNMENT

FTT, TPT/XF, DC network connection

Connector	Pin	Signal	Remark
9-pin D-type	1	Data	Data
	2	Data	Data
	3	—	
	4	—	
	5	—	
	6	—	
	7	—	
	8	—	
	9	—	
2-pin terminal	1	Data	Data
	2	Data	Data

EIA-485 network connection

Connector	Pin	Signal	Remark
9-pin D-type	1	—	
	2	—	
	3	DA-	Data
	4	SA-	RTS −
	5	—	
	6	+5 V	U+ supply voltage, electrically isolated
	7	0 V	U− supply voltage, electrically isolated
	8	DA+	Data
	9	SA+	RTS +