

Installation and Operating instructions for

CP29xx-0000

Multi-touch Control Panel with DVI/ USB Extended interface

CP29xx-0010

Multi-touch Control Panel with CP-Link 4 interface

Version: 1.8

Date: 2015-08-27

BECKHOFF

7 Assembly dimensions

For the assembly dimensions of the Control Panels please visit our homepage. Here you will find the actual drawings using the link:

http://download.beckhoff.com/download/Technical_Drawings/Industrial_PC/Control_Panel/CP29xx





Warning


Notice mounting orientation

The assembly of the unit must take place with the orientation diagrammed here.

8 Technical Data

 Danger	<p>Risk of explosion!</p> <p>Do not use the Control Panel in areas of explosive hazard!</p>
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 Note	<p>Pixel errors</p> <p>Pixel errors in the TFT display are production-caused and represent no complaint-reason!</p>
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 Note	<p>Anomalies of the Touchscreen</p> <p>Anomalies of the touchscreen sensor are production-caused and represent no complaint-reason!</p>
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Product name	CP29xx-0000/ -0010																
Dimensions (B x H x T)	See chapter Assembly dimensions																
Weight	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">CP2907:</td> <td style="width: 33%;">1.5 kg</td> <td style="width: 33%;">CP2918:</td> <td style="width: 33%;">5.1 kg</td> </tr> <tr> <td>CP2912:</td> <td>3.0 kg</td> <td>CP2919:</td> <td>5.4 kg</td> </tr> <tr> <td>CP2915:</td> <td>3.7 kg</td> <td>CP2921:</td> <td>5.9 kg</td> </tr> <tr> <td>CP2916:</td> <td>4.2 kg</td> <td>CP2924:</td> <td>7.2 kg</td> </tr> </table>	CP2907:	1.5 kg	CP2918:	5.1 kg	CP2912:	3.0 kg	CP2919:	5.4 kg	CP2915:	3.7 kg	CP2921:	5.9 kg	CP2916:	4.2 kg	CP2924:	7.2 kg
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Supply voltage	24 V _{DC} (20.4 – 28.8 V _{DC})																
Power consumption	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">CP2907:</td> <td style="width: 33%;">max. 12 W</td> <td style="width: 33%;">CP2918:</td> <td style="width: 33%;">max. 25 W</td> </tr> <tr> <td>CP2912:</td> <td>max. 16 W</td> <td>CP2919:</td> <td>max. 25 W</td> </tr> <tr> <td>CP2915:</td> <td>max. 20 W</td> <td>CP2921:</td> <td>max. 35 W</td> </tr> <tr> <td>CP2916:</td> <td>max. 22 W</td> <td>CP2924:</td> <td>max. 45 W</td> </tr> </table>	CP2907:	max. 12 W	CP2918:	max. 25 W	CP2912:	max. 16 W	CP2919:	max. 25 W	CP2915:	max. 20 W	CP2921:	max. 35 W	CP2916:	max. 22 W	CP2924:	max. 45 W
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CP2915:	max. 20 W	CP2921:	max. 35 W														
CP2916:	max. 22 W	CP2924:	max. 45 W														
UL-compliance (in progress)	<ul style="list-style-type: none"> • Using a power supply class 2 or • Fuse protection with 4 A, according to UL 60950.2 chapter 2.5, table 2C 																
CP29xx-0000: Integrated DVI/USB extension technology	<ul style="list-style-type: none"> • DVI-E and USB-E 2.0 enable remote panel operation at a distance of up to 50 m from the PC • USB-E 2.0 transmits USB 2.0 with 480 Mbit/s • DVI-E input is compatible to the standard DVI output of a PC 																
CP29xx-0010: Integrated CP-Link 4 technology	<ul style="list-style-type: none"> • enables remote panel operation at a distance of up to 100 m from the PC via a CAT.6_A cable • integrated or separate 24 V DC power supply • CP-Link 4 transmits USB 2.0 with 100 MBit/s 																
Interfaces CP29xx-0000	2-Port-USB-3.0/ USB 2.0, see chapter Interfaces CP29xx-0000																
Interfaces CP29xx-0010	2-Port-USB-2.0 interface																
Protection class	Front side IP65, rear side IP20																
Shock resistance (Sinusoidal vibration)	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">EN 60068-2-6:</td> <td style="width: 33%;">10 to 58 Hz:</td> <td style="width: 33%;">0.035 mm</td> </tr> <tr> <td></td> <td>58 to 500 Hz:</td> <td>0.5 G (~ 5 m/ s²)</td> </tr> </table>	EN 60068-2-6:	10 to 58 Hz:	0.035 mm		58 to 500 Hz:	0.5 G (~ 5 m/ s ²)										
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	58 to 500 Hz:	0.5 G (~ 5 m/ s ²)															
Shock resistance (Shock)	EN 60068-2-27: 5 G (~ 50 m/ s ²), duration: 30 ms																
EMC compatibility	Resistance to interference conforms to EN 61000-6-2																
EMC compatibility	Emission of interference conforms to EN 61000-6-4																
Permissible ambient temperature	Operation: 0°C to +55°C (CP29xx-0000) 0°C to +50°C (CP29xx-0000) Transport/ storage: -20°C to +70°C																
Permissible relative humidity	to 95%, no condensation																
Transport and storage	The same values for atmospheric humidity and shock resistance are to be observed during transport and storage as in operation. Suitable packaging of the Panel PC can improve the resistance to impact during transport.																
Certifications	CE; UL in progress																