





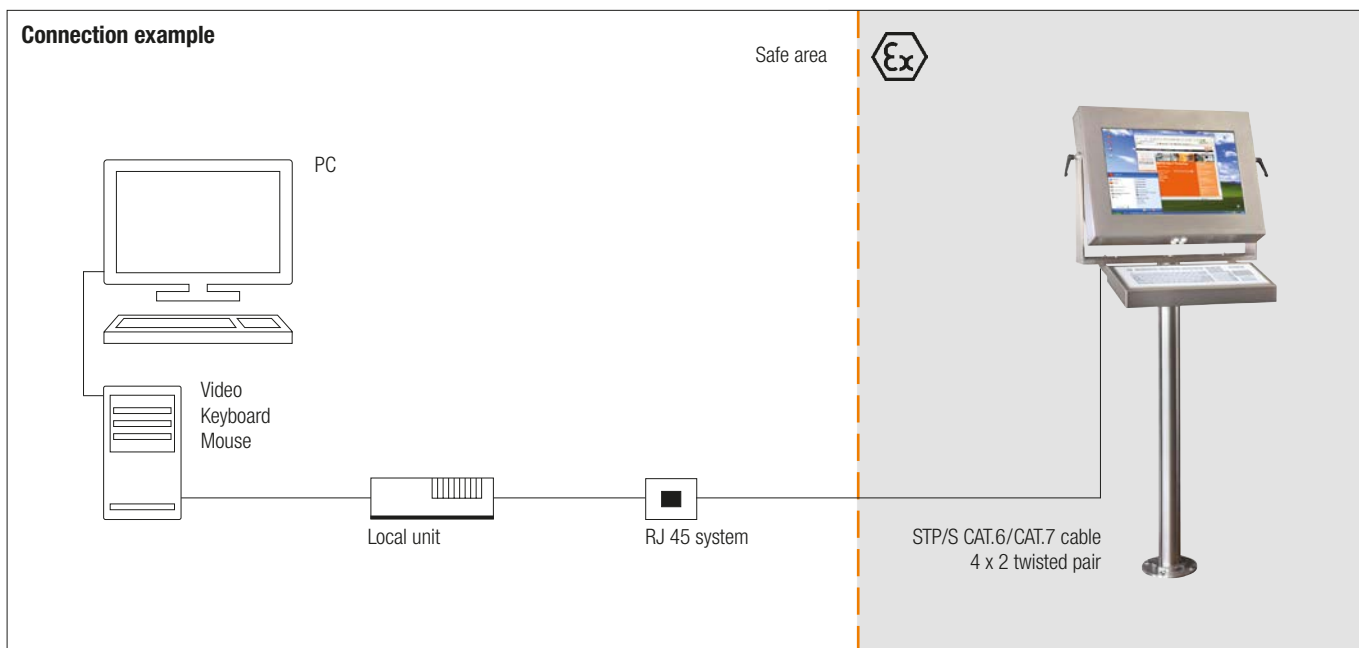
The POLARIS II Remote 24" W from BARTEC is a display which enables a PC to be operated in safe areas of hazardous areas. Distances of up to 20 km are possible. POLARIS II Remote 24" W allows the user the possibility of utilising any currently available PC-based process control systems without restrictions in the Ex areas. The devices are also available for wall, floor or table mounting for optimum use. The POLARIS II Remote 24" W screen is a TFT display with Full HD resolution and is distinguished by its outstanding brilliance and a very large reading angle. A keyboard with integrated trackball or touchpad is available. The optional (intrinsically safe) touchscreen offers the ultimate in operating comfort. Linking in the safe area is established through a local unit (included in the scope of delivery).

Explosion protection

Marking ATEX Zone 2	 II 3G Ex nA ic IIC T5 Gc -25 °C ≤ T _a ≤ +50 °C
Certification	IBExU 09 ATEX 1113 X
Marking ATEX Zone 21/22	 II 2D Ex ib tb IIIC T100 °C Db
Certification	IBExU 09 ATEX 1113 X
Other approvals and certificates, see www.bartec.de	

Technical data

Construction	Stainless-steel enclosure
Protection class	IP 65
Display	24" W graphics-capable TFT colour display 16.7 million colours Full HD resolution, 1920 x 1080 pixels Brightness 300 cd/m ² Visible surface approx. 474 x 296 mm Contrast 5000:1 Optional touchscreen (resistive)
Backlighting	LED technology Service life approx. 50,000 hours (at +25 °C)
Conductor length	up to 130 m through STP cable DVI/USB up to 500 m through multi-mode optical fibre cable DVI/USB up to 20 km through single-mode optical fibre cable DVI/USB
Dimensions (W x H x D)	670 mm x 450 mm x approx. 100 mm
Weight	approx. 19 kg
Rated voltage	AC 110 to 230 V, 47 to 63 Hz DC 24 V
Input voltage range	AC 90 to 253 V DC 24 V ± 10 %
Max. power consumption	P _{max.} < 75 W
Permissible ambient temperatures	Storage -25 °C to +60 °C Operation 0 °C to +50 °C
Relative air humidity	5 to 95 % non-condensing
Material	Stainless steel
Optional accessories	Keyboard with integrated trackball 38 mm Keyboard with integrated trackball 50 mm Keyboard with integrated touchpad



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Ordering information

Ex area	Code no.	Input voltage	Code no.	Conductor length	Code no.	Keyboard language	Code no.	Insert unit	Code no.
Zone 21/22	1	AC 90 to 253 V	1	up to 130 m through STP cable DVI/USB	4	German	1	Trackball 50 mm	1
				up to 500 m through Optical fibres Multi Mode DVI/USB	5	English	2	Trackball 38 mm	2
Zone 2	2	DC 24 V	2	up to 20 km through Optical fibres Single Mode DVI/USB	6	French	3	Touchpad	4

Complete order no. 17-7 **V5-8** **0** / **00**

Please insert correct code. Technical data subject to change without notice. Other versions on request.