



POLARIS Remote 24"

Features

- Easy front panel fitting
- Full HD resolution
- Easy wiring
- Connection of standard PCs in non-hazardous areas
- Optional touchscreen
- Transmission through fibre optical waveguide or copper
- OSD menu, with setting keys on the front

Description

The POLARIS Remote 24" unit is a display with keyboard and mouse with which a PC can be operated in safe areas of hazardous areas.

Distances of up to 10,000 m are possible.

POLARIS Remote 24" offers the user the possibility of using any currently available PC-based process control system, without any restrictions in the Ex area.

The front panel installation assures ease of mounting. Upon request, the devices are also available as turn-key system solutions in a stainless steel enclosure as wall, floor or ceiling mounting versions.



The screen of the Remote 24" is a TFT display with an Full HD resolution and is characterised by its excellent brilliance and a very large reading angle.

Intrinsically safe input devices can be connected also. Optionally, a touchscreen (intrinsically safe), assuring an absolutely maximum operator convenience, is available.

Connection in the safe area is realized via a local unit. (Included in delivery).

➤ Explosion protection

Ex protection type

ATEX  II 2G Ex eb qb [ib op pr] IIC T4
 II 2D Ex tb IIIC T120°C IP 6X

Certification

IBExU 05 ATEX 1117 X

IECEX Ex db eb qb [ib] IIC T4
Ex tb IIIC T120°C IP 6X

Certification

IECEX IBE 11.0007 X

Further approvals

INMETRO, GOST-R

Protection class

IP 65 (front side)

IP 54 (rear side)

➤ Technical data

Construction

Front panel fitting

Display

- 24" graphic-capable TFT colour display
- 16.7 million colours
- Full HD resolution 1920 x 1080 pixels
- Brightness 300 cd/m²
- Visible area approx. 531 x 299 mm
- Contrast 3000:1
- Antireflection coating glass pane
- Optional touchscreen

Backlight illumination

- LED technology
- Service life approx. 50,000 hours (at +25 °C)

Connection to the PC

- with local unit (plug & play)
by means of STP/S cables 4 x 2 x 23 AWG
- 1 x DVI in
 - 1 x DVI out (local monitor)
 - 1 x USB for keyboard/mouse/touchscreen and option of hand-held scanner

Cable length

- up to 100 m of STP/S copper cable on request
- up to 300 m of STP/S copper cable
- up to 400 m of 50 µm multi-mode
- up to 10 000 m of 9 µm single-mode

Power supply

AC 90 up to 253 V, 50 up to 60 Hz
DC 24 V ± 10 % on request

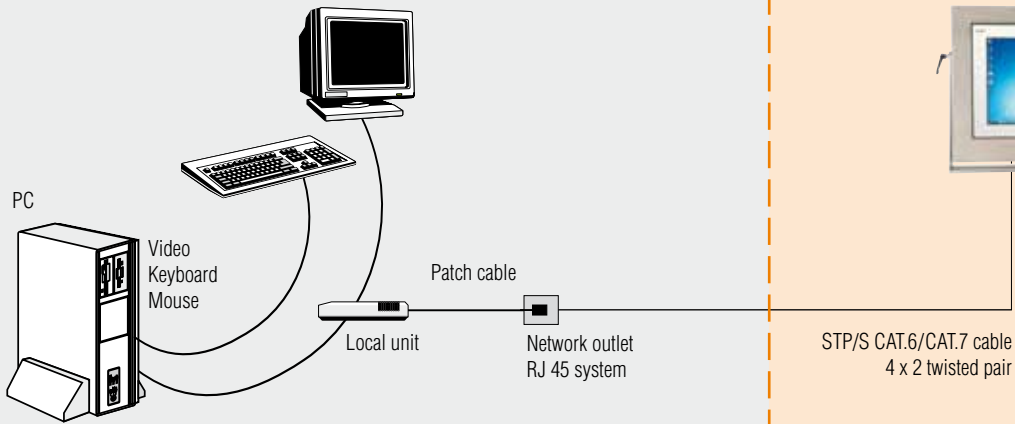
Max. power consumption

$P_{\max.} < 60 \text{ W}$



POLARIS REMOTE POLARIS Remote 24"

Possible connection



Dimensions (width x height x depth)
644 mm x 406 mm x approx. 135 mm

Wall cut-out
630 mm x 392 mm + 0.5 mm

Weight
approx. 40 kg

Admissible ambient temperatures
Storage -20 °C to +50 °C
Operation 0 °C to +50 °C
System solution with heating on request.

Humidity
5 to 95 % non-condensing

Vibration
0.7 G/1 mm; 5 Hz - 500 Hz pulse in all 3 axes

Shock
15 G, 11 ms pulse in all 3 axes

Material
Front Polyester foil on anodised aluminium plate (conditionally UV resistant)
Rear panel galvanised sheet steel

Selection chart

Version	Code no.	Interface	Code no.
Remote 24" without touchscreen	C	for STP/S copper cable (up to max. 100 m)	17
		for STP/S copper cable (up to max. 300 m) supply module for hand-held scanner*	18
Remote 24" with touchscreen	D	for 50 µm multi-mode fibre optic cable (up to max. 400 m)	on request
		for 50 µm multi-mode fibre optic cable (up to max. 400 m), supply module for hand-held scanner*	on request

*(not with touchscreen)

➔ **Complete order no. 17-71V2-** **0**

Please insert correct code.
Technical data subject to change without notice.
You will find the accessories with order details on the accessories pages.