



POLARIS II REMOTE 22"

for ATEX Zone 2 and ATEX Zone 21/22

Features

- In the stainless enclosure tiltable
- Graphics-capable TFT colour display
- Simple wiring
- Connection of standard PCs in non-hazardous areas
- Optional touchscreen
- Transmission through fibre optical waveguide or copper
- Cost reduction by cascading several POLARIS II Remote devices to one PC

Description

The POLARIS II Remote 22" is a display which enables a PC to be operated in safe areas of hazardous areas.

Distances of up to 200 m are possible.

POLARIS II Remote 22" allows the user the possibility of utilising any currently available PC-based process control systems without restrictions in the Ex areas.

On request the devices are also available as turn-key system solutions in a stainless steel enclosure for wall, floor or table mounting.

The screen on the POLARIS II Remote 22" is a TFT display with WSXGA+ resolution and is characterised by its outstanding brilliance and a very large reading angle.

A keyboard with integrated trackball or touchpad is available. An optional touch screen offering the ultimate in operating ease is also obtainable.

Linking in the safe area is established through a local unit (included in the scope of supply).

Explosion protection

Zone 2

Ex protection type

Ex II 3G Ex nA IIC T5

Certification

IBExU 09 ATEX B009

Zone 21/22

Ex protection type

Ex II 2D Ex tD A21 IP65 T100 °C
-25 °C ≤ T_a ≤ +50 °C

Certification

IBExU 09 ATEX 1113 X

Further approvals

GOST-R

Protection class

IP 65

Technical data

Construction

Stainless steel enclosure

Display

- 22" graphics-capable TFT colour display
- 16.7 million colours
- WSXGA+ resolution, 1680 x 1050 pixels
- Brightness 300 cd/m²
- Visible surface approx. 474 x 296 mm
- Contrast 600:1
- Option of touchscreen (resistive)

Backlighting

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

Connection to the PC

- Direct connection to VGA,
- PS/2 keyboard and PS/2 mouse connection
- through STP/S cable; 4 x 2 x 23 AWG

Conductor length

- STP/S copper cable
- up to 200 m

Dimensions (width x height x depth)

610 mm x 450 mm x approx. 100 mm

Weight

approx. 17 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

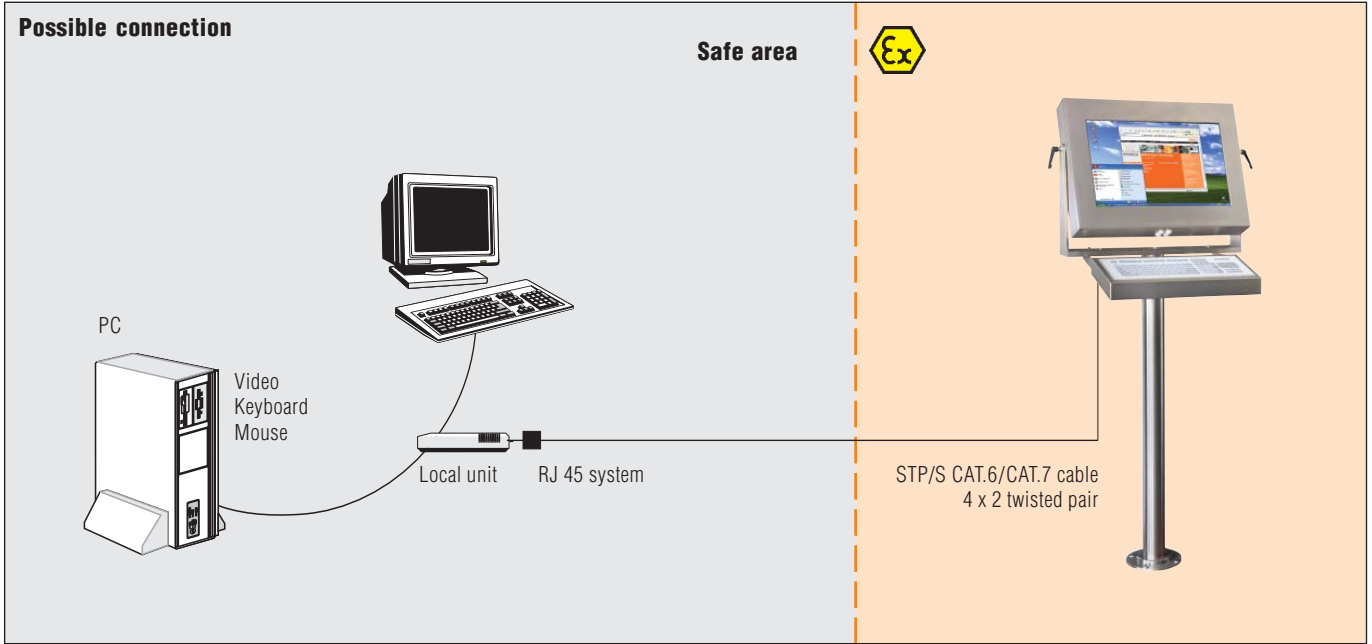
Stainless steel

Optional accessories

- Keyboard with integrated trackball 38 mm
- Keyboard with integrated trackball 50 mm
- Keyboard with integrated touchpad



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Selection chart

Version	Code no.	Input voltage	Code no.	Description	Code no.	Keyboard	Code no.	Insert unit	Code no.
POLARIS II Remote 22" without touchscreen	4	AC 90 up to 253 V	1	Base unit, tilt	0	German	1	Trackball 50 mm	1
				Table mounting, swivel/tilt	1	English	2	Trackball 38 mm	2
POLARIS II Remote 22" with touchscreen	3	DC 24 V	2	Floor mounting, swivel/tilt	2	French	3	Touchpad	4
				Wall mounting, swivel/tilt	3				

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

Please insert correct code.

Technical data subject to change without notice.

Ex area	Code no.
Zone 21/22	1
Zone 2	2