

POLARIS Remote 15" with keyboard and mouse



Features

- Easy front panel fitting
- 15" graphic-capable TFT colour display
- Easy wiring
- Connection of standard PCs in non-hazardous areas
- Optional touch screen



Description

The POLARIS Remote 15" unit is a display with keyboard and mouse with which a PC can be operated in safe areas of zone 1 Ex areas. Distances of up to 1,000 m are possible. POLARIS Remote 15" 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 mounting versions. - Service life approx. 50,000 hours The screen of the POLARIS Remote 15" is a TFT display with an XGA resolution (1024 x 768 pixels) and is characterised by its excellent brilliance and a very large reading angle. An intrinsically safe keyboard as well as a mouse, a track ball and a touch pad are available as front panel fitting. Optionally, a touch screen (intrinsically safe), assuring an absolutely maximum operator convenience, is available. Connection in the safe area is realized via a local unit. (Included in delivery).

Technical Data

Construction

Front panel fitting

Display

- 15" TFT graphic display
- XGA resolution 1024 x 768 pixels
- Brightness 350 cd/m²
- Visible area approx. 304 x 228 mm
- Contrast 400:1
- Antireflection coating glass pane
- Optional touch screen

Backlight illumination

CFL technology
 Service life approx 50,000 hrs

Keyboard

Front panel fitting
 Several languages

Mouse

Front panel fitting
 - Available as mouse, track ball or touch pad

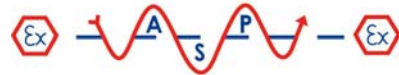
Connection to the PC

- Connection to VGA,
- Keyboard and mouse port of a PC via cable STP/S; 4 x 2 x 23 AWG
- Optionally via fibre optic

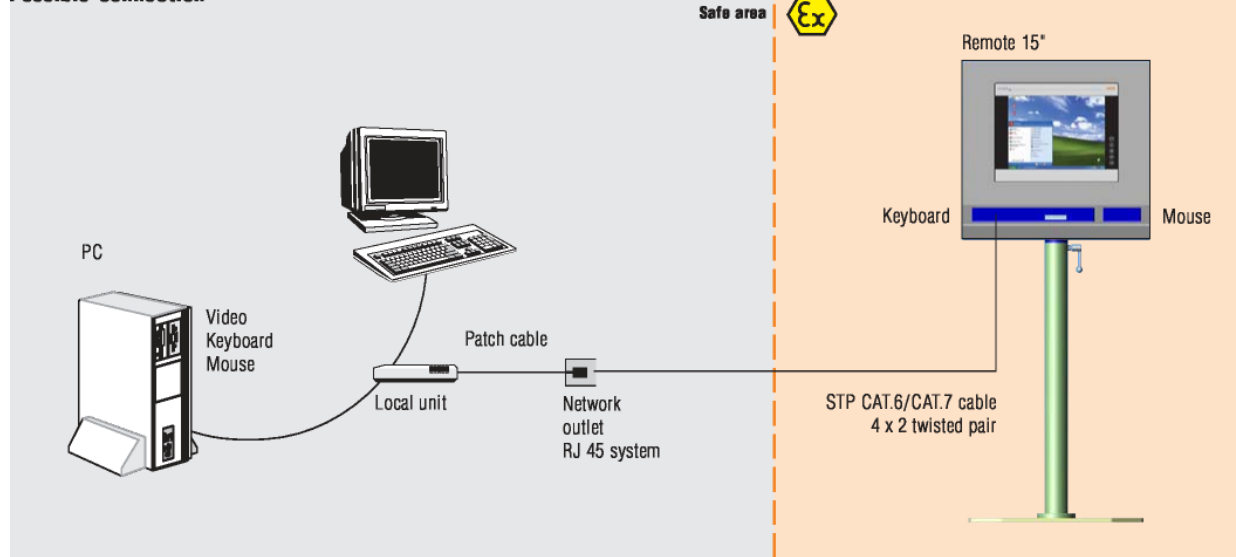
Requirement to the base station

Keyboard and mouse with a PS/2 connector; VGA connection or graphics card with the following technical data:

- VGA, SVGA, XGA, SXGA resolution
- Vertical sync frequency 60 to 75 Hz



Possible connection



Transmission distance

Up to 300 m via STP/S cable
Up to 1000 m via fibre optic cable

Power supply

AC 230 V
50 Hz to 60 Hz

Dimensions (width x height x depth) 411 mm x 332 mm x approx. 135 mm

Wall cut-out

396 mm x 317 mm + 0.5 mm

Weight

Approx. 22 kg

Admissible ambient temperatures

Storage -20 °C to +50 °C
Operation 0 °C to +50 °C

Material

Front Polyester foil on aluminium sheet
Rear panel galvanised sheet steel

Selection chart					
Version	Code no.	Interface	Code no.	Keyboard	Code no.
POLARIS Remote 15" without touch screen	4	STP/S cable	00	German	1
		STP/S cable, supply module for hand-held scanner*	04	English	2
POLARIS Remote 15" with touch screen	6	Fibre optic cable	08	French	3
		Fibre optic cable, supply module for hand-held scanner*	12		

Explosion protection

Ex protection type

II 2G Ex e q [ib] IIC T4
II 2D tD A21 T 80 °C IP 6X (front side)

Certification

IBExU05ATEX1117 X

Protection Class

IP 65 (front side)

Supplied by:

A.S.P. Electro-Technology Ltd
Specialist Suppliers of Hazardous Area Certified
Electrical Products & Instrumentation

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