



*Ex Remote station
15"- and 18" family*



*Ex stainless steel Remote station
15"- and 18" family*

Features

- Flat design
- Excellent readability
- Anti-reflection front screen

Stainless-steel version:

- No dirt traps
- Without gaps
- Easy-to-clean surface
- Optional installation possibilities of external operating elements
- Possible installation of a heating for outdoor applications

Description

The BARTEC Remote station consists of a PC display with keyboard and mouse, which is installed in explosive areas, zone 1 and 21. It is connected as a second screen to a PC workplace in a safe area.

The connection is realized via electronic components, which are linked to each other with an up to 300 m long STP cable.

The Remote station offers the user the possibility to use any currently available PC-based process control system without any restrictions in explosive areas.

The enclosure of the 18" Remote station pleases with its flat design as it has a depth of only 150 mm. The Remote station is lightweight, rotatable and can be designed as table-, floor-, or wall-mounting version.

The screen comprises a TFT display, for the 15" family with XGA-resolution (1024 x 768 pixels), for the 18" family with SXGA-resolution (1280 x 1024 pixels) and is characterized by its excellent brilliance and its very large view angle.

The display as well as the corresponding electronics are explosion-proof due to a flameproof enclosure. Both the MF II keyboard and the PS/2 trackball (optionally finger mouse) have been designed in the "intrinsic safety" type of protection, while the barriers are accommodated in the explosion-proof enclosure.

Additionally customized installations of further components as well as heating systems can be economically realized for the stainless-steel version (see illustration).



Explosion protection

Ex protection type

- Ex II 2G EEx d [ia] IIB resp. IIC T6
- Ex II 2D T 80 °C IP 66

Certification

- PTB 00 ATEX 1003
- IBExU02ATEX1163

Ambient temperature

0 °C to +50 °C

Keyboard

Ex protection type

- Ex II 2G EEx ia IIC T4

Certification

- KEMA 98 ATEX 2558 X

Technical data

Display

- 15" family
 - TFT colour display, XGA resolution, 1024 x 768 pixel
- 18" family
 - TFT colour display, SXGA resolution, 1280 x 1024 pixel
 - 16.7 million colours
 - brightness up to 300 cd/m²
 - contrast 250:1 (typ.)
 - high view angle
 - longlife CCFL-lighting

Connection to the PC

connection to VGA, keyboard and mouse port of a PC via STP/S cable; 4 x 2 x 23 AWG

Requirement to the base station

keyboard and mouse with a PS/2 connector, VGA graphics board with following technical data:

- 15" family
 - VGA-, SVGA-, XGA resolution
 - 18" family
 - VGA-, SVGA-, XGA-, SXGA resolution
- Vertical sync frequency 60 to 75 Hz

Transmission distance

up to 300 m at XGA
up to 200 m at SXGA

Supply voltage

AC 230 V (85 V to 265 V)
47 Hz to 63 Hz ± 10 %

Power consumption

Approx. 60 W

Dimensions (width x height x depth)

Ex Remote station:
approx. 500 x 430 x 150 mm
Ex high steel stainless Remote station:
approx. 600 x 690 x 180 (410) mm

Protection class IP 65

Fitting versions

with stand, table version, wall mounting, support arm mounting, customized solution on request

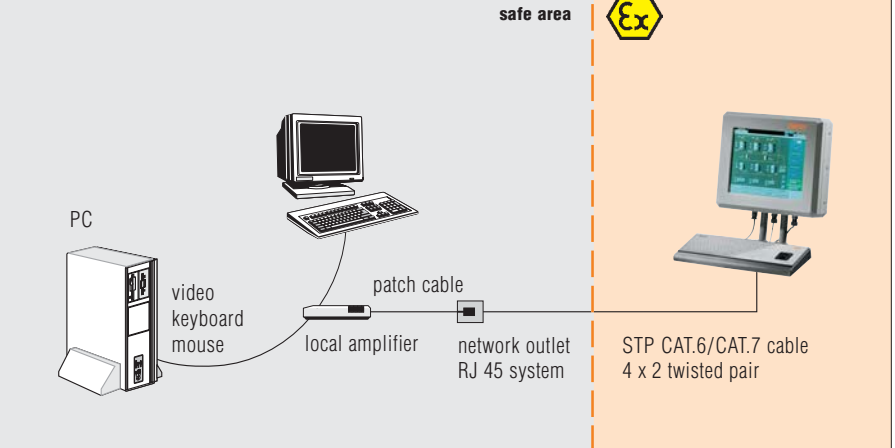
Heating system for outdoor applications

at high steel stainless version

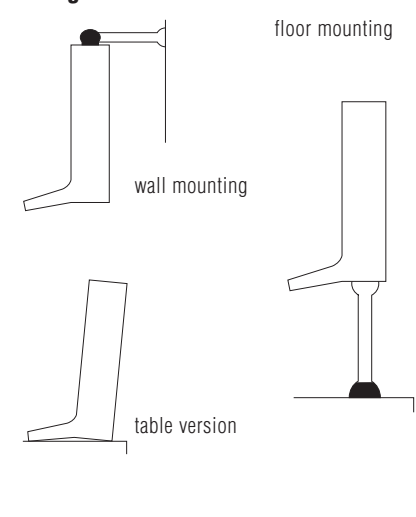
Surface material

aluminium, high-quality stainless steel

Possible connection



Fitting versions



Customer-specific installations



Selection chart

| Type | Code no. | Version | Code no. | Mounting version | Code no. |
|---|----------|---------|----------|-------------------------|----------|
| Remote station 15" family XGA resolution | 4 | IIB | 1 | without mounting system | 0 |
| | | | | for floor mounting | 1 |
| Remote station 18" family SXGA resolution | 5 | IIC | 3 | for wall mounting | 2 |
| | | | | for ceiling mounting | 3 |

➔ **Ex Remote station Complete order no.** 17-71KB- [] 50 [] / [] 000
Ex stainless steel Remote station Complete order no. 17-71KB- [] 50 [] / [] 300
 Please insert correct code. Technical data subject to change without notice.