



CLAVIERS - PANELS PC - BOÎTIERS

ES-TB

stainless
steel

ADPZ

6 rue de la Liberté
ZI Combeplaine
42800 Rive de Gier

Tel : (33) 4 77 83 77 03
Fax : (33) 4 77 83 77 16

Web site : www.adpz.fr

ES-TB

Vandalism protected trackball

- *for public surroundings*
- *extrem weather conditions*
- *and many more*



Description:

- A vandalism protected trackball in very robust processing.
- A full pointing device with the integrated 3 mouse buttons.
- Almost insensitive to violence.
- Mounting version with very low measurements for prepared mounting shafts.
- Explicitly for surroundings where there is danger by vandalism and/or much customer traffic and/or extrem weather conditions.
- Especially suitable for industrial extreme surroundings.

Order number for example:

notation: ES-TB AA PS2
article number: 02001AA251A1503EE00

More information to each variant and their order numbers,
see our web-site at

www.dskeyboard.com

Features:

- All electronic components and mechanical guides are protected against ingress of dust and water spray (protection IP 65).
- Convenient and positive operation due to the 3,25 mm travel keys with tactile feel.
- Completely in stainless steel construction 1.4301 (buttons, front plate with 3 mm strength).
- Stainless steel ball, 38mm, with protection IP 65 (static), IP 56 (dynamic).
- Key labelling in laser procedure.
- PCB with electronic components.
- Carbon contact-technology.
- Predestined for the work in public terminals, in machines and devices wich have to work in extreme damp (even splash water) or very dusty surroundings, and many more.

Mechanical Data:

- Travel 3,25 mm, tactile feel
- Operation force 0,65 N
- 3 buttons, 38mm stainless steel ball
- Durability > 10 million ops.
- Storage temperature -40°C - +70°C
- Operation temperature 0°C - +60°C (optional -20°C - +60°C)
- Protection IP65

Layouts:

- All variants are possible.

Variants:

- Custom-designed variants are possible (see our web-site).

Connecting-Variants:

- PS/2, USB
- Cable straight or spiral-shaped
- Cable length 1,5 m
- Other length are possible

Detail views:

- Compact 15mm button arrangement, include 38mm stainless steel trackball.
- Very robust steel construction
- Qualitatively excellent processing



Electrical Data:

- Power supply + 5 V/DC, 50 mA
- 2-key roll over
- Autorepeat
- 16k EEPROM memory
- CE-conformable
- EMC-conformable
- RoHS-conformable

Principle:

- Contact by a silicon switch pad with carbon contacts.

Use Possibilities:

- Extreme damp (even splash water) surroundings
- Very dusty surroundings
- Test- and measurement systems
- Machine- and device construction
- Trade and craft
- Industry
- Many freequented areas
- and any more

Mode connections:

- Connection allocations for the different modes (must be modified by factory side):

10pin JST-Connector

- | | |
|----|------------|
| 1 | X1 |
| 2 | X2 |
| 3 | Y1 |
| 4 | Y2 |
| 5 | PS/2 M Dat |
| 6 | PS/2 M CLK |
| 7 | VCC |
| 8 | USB D- |
| 9 | USB D+ |
| 10 | GND |

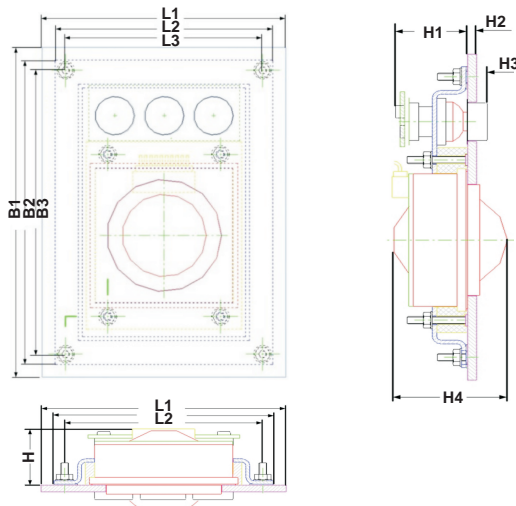
CON 1

4pin Connector

- | | |
|---|-----------------|
| 1 | GND |
| 2 | Left M Button |
| 3 | Right M Button |
| 4 | Middle M Button |

CON 2

Dimensions:



L1 = 94,00mm
L2 = 84,00mm
L3 = 76,00mm

B1 = 130,00mm
B2 = 120,00mm
B3 = 112,00mm

H = 24,00mm
H1 = 25,10mm
H2 = 3,00mm
H3 = 3,00mm
H4 = 40,50mm

More information about the measurements can be downloaded from our web-site.



ES-TB

stainless
steel

ADPZ

6 rue de la Liberté
ZI Combeplaine
42800 Rive de Gier

Tel : (33) 4 77 83 77 03
Fax : (33) 4 77 83 77 16

Web site : www.adpz.fr