

TPD Series: Desktop Touchpad, 6-inch, IP65, USB Output



Figure 1: 6" Desktop Touchpad (shown with standard glass touch surface)

1. DESCRIPTION

Using our years of knowledge/experience gained from developing industrial trackball technology, Cursor Controls Ltd have developed a range of advanced touchpad solutions. Cursor Controls touchpads provide smooth and precise cursor control using the latest and most advanced touch sensing technology and are designed for use in the most extreme environments.

The TPD Series desktop touchpad provides both conventional X and Y-axis cursor movement with plug-and-play, multi-finger gesture support for enhanced user interaction. The mutual-capacitance based tracking engine combines the benefits of solid state sensing (no moving parts) with the precision, functionality and performance associated with the Cursor Controls product range. The design allows for easy cleaning and decontamination, ensuring continued optimum performance and operation under the harshest of conditions. The unit has been designed to be a freestanding desktop device and optimises desk space when compared to a mouse.

2. FEATURES

- Solid state sensing technology – capacitive touch sensing tracking engine
- Output: USB
- IP65 sealing
- Haptic and audible feedback (function specific)
- Multi-finger gesture support
- 8 capacitive touch feature buttons
- Smooth operation in rugged environments
- Wired USB cable provides high reliability and avoids the need for batteries
- Tolerant to moisture, water and liquid contaminants
- Various touch surface overlay options available as standard
- Custom feature button configurations / overlays available

3. APPLICATIONS

- Industrial consoles
- Medical systems
- Marine systems
- Sound and lighting desks
- Video editing consoles
- Custom keyboard applications

5. TOUCHPAD FEATURES

5.1. Touchpad Features

The TPD Series touchpad module includes the following features / technologies:

- **Touchpad Technology:** The 6-inch active touchpad area provides both conventional X and Y-axis cursor movement with plug-and-play, multi-finger gesture support for enhanced user interaction (see Section 5.2).
- **Feature Buttons:** 8 x feature buttons are located at the top of the touchpad module. These utilise capacitive touch sensing technology and incorporate functions such as Cut, Copy & Paste, cursor resolution adjustment, and a panel lock feature to facilitate cleaning / decontamination of the device.
- **Enclosure:** The touchpad is enclosed within a plastic case which, combined with an overmoulded cable, offers an IP65 sealing solution and added protection against potential impact.

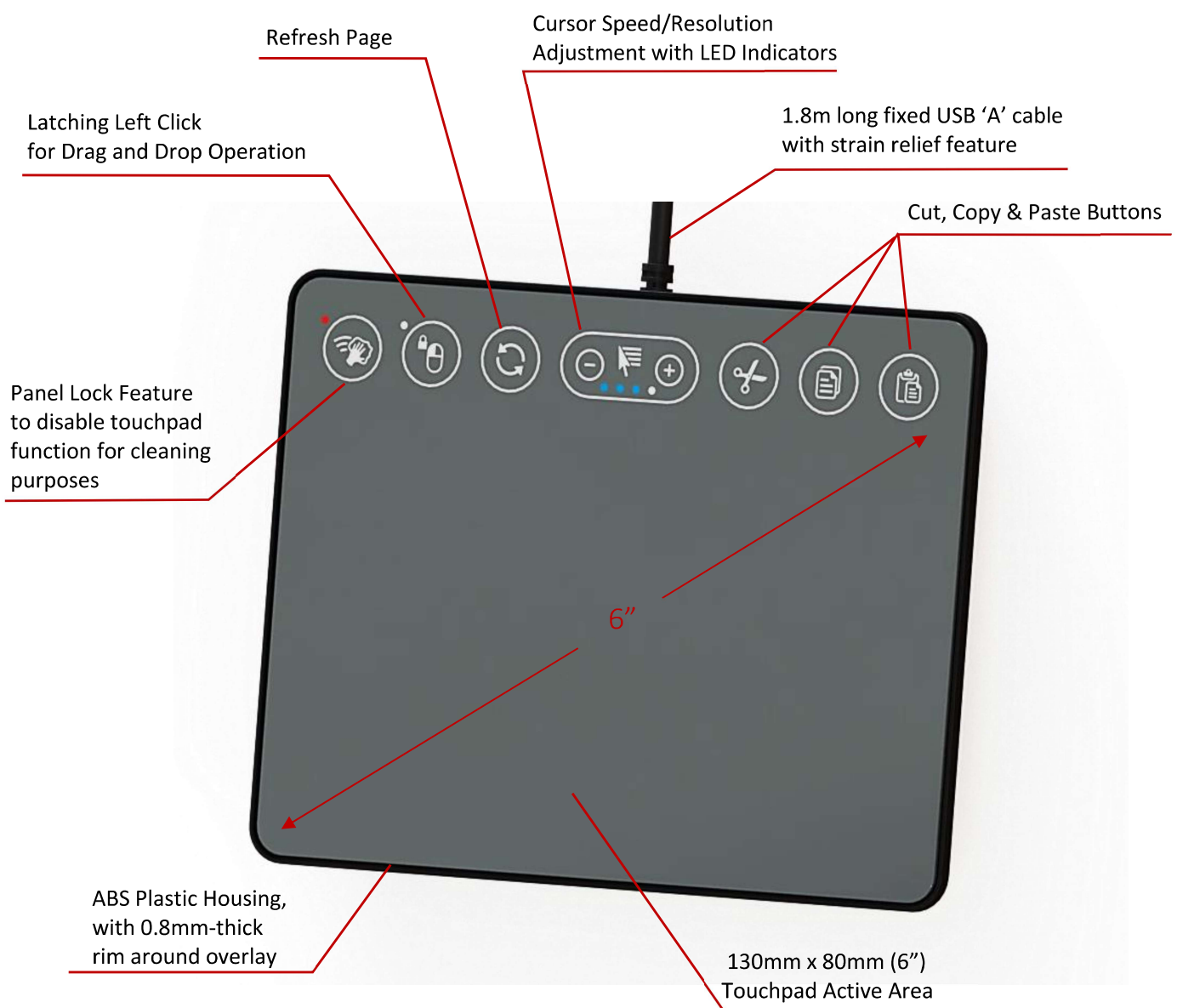
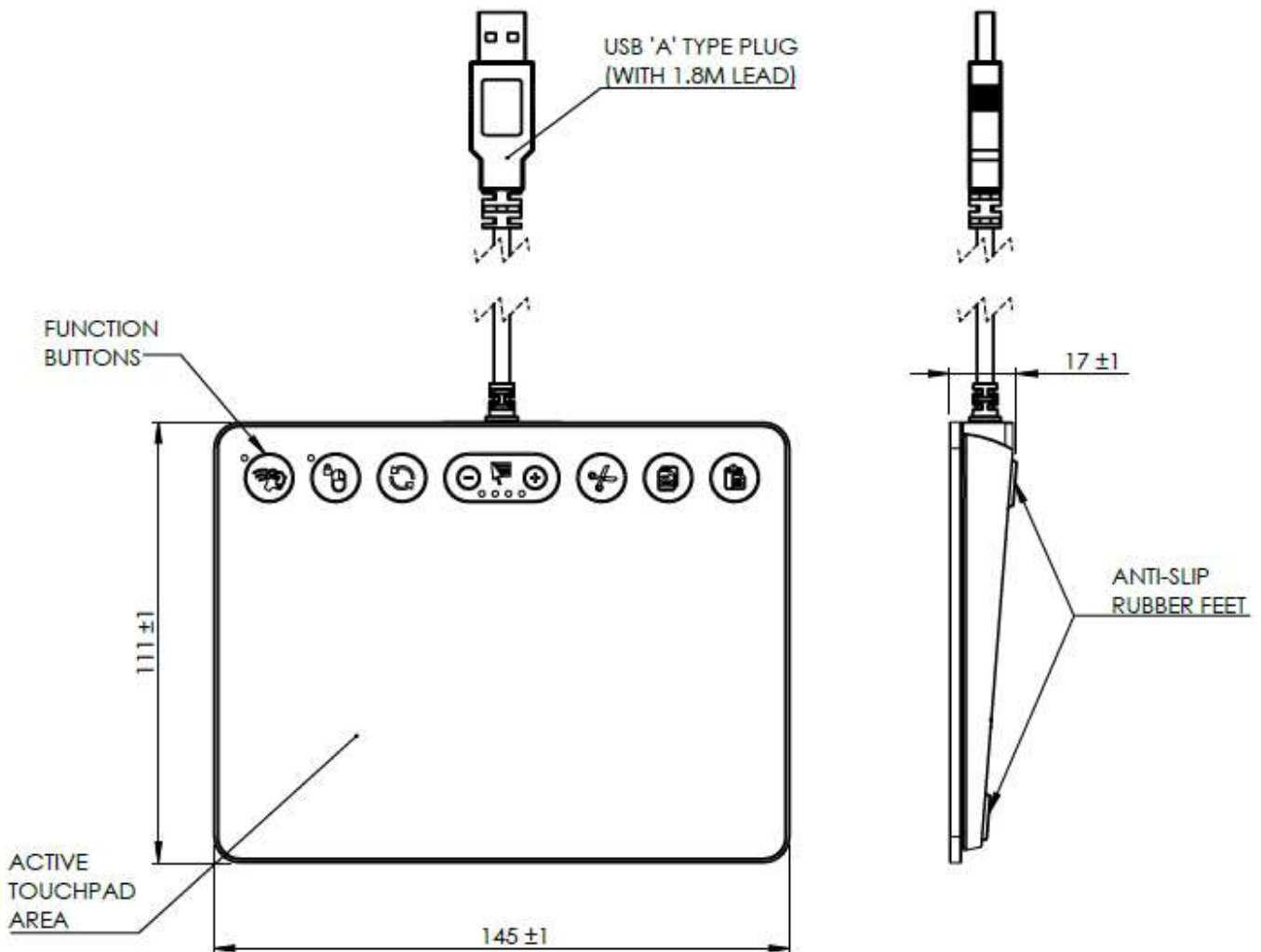


Figure 2: Touchpad Features

6. TOUCHPAD DIMENSION DRAWING



Dimensional drawing specifies factory default orientation.

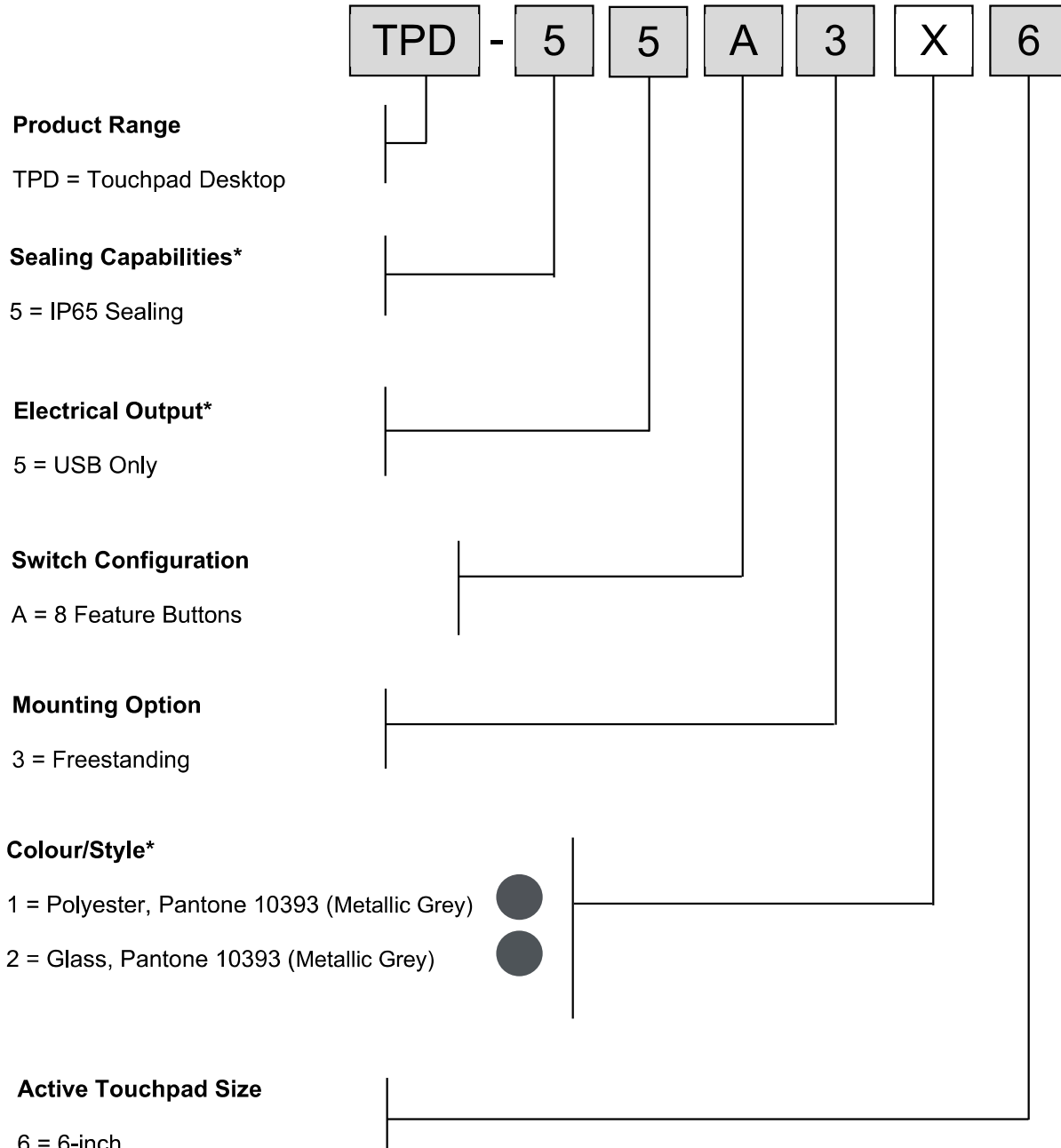
All dimensions are in mm unless otherwise stated.

Tolerances +/- 0.2mm unless otherwise stated

Please note that an IGES model is available on request. Please contact your local sales office for more information.

7. PRODUCT ORDERING CODE SYSTEM

Please construct your standard product ordering code by selecting the numbers and letters to suit your specification:



*For further options please contact your local sales representative.

7.1. Ordering Example

TPD-55A326: Desktop touchpad, IP65 sealing, USB Interface, 8 x feature buttons, Freestanding, Pantone 10393 glass overlay, 6-inch.

TPD-55A316: Desktop touchpad, IP65 sealing, USB Interface, 8 x feature buttons, Freestanding, Polyester, Pantone 10393, 6-inch.