



General information

TCS1 is a collision sensor based on sensi-touch technology. Sensi touch is a new hardware based solution that can detect if a desk has collided with an object, become uneven or has shifted during operation. If one of these conditions are met, the TCS1 sensor immediately sends the controlbox a command to stop and reverse the desk 50 mm from raising or lowering.

Compared to ADJUSTMEs standard software-based anti-collision solution, sensi touch is more sensitive, stable and works independently of load and temperature.

The TCS1 is a dongle (sensor), which:

- is an add-on accessory to controlbox TC11, TC15 and TC16.
- Allows linking of multiple TCS1's. It is possible to connect more than one TCS1 dongle into the controlbox by a simple process called cascading - you will then need an extra Y-cable. If desk arrangement contains 2 table tops (3 leg solution), use 2 pcs of TCS1 including a Y-cable.
- minimize the risk for damages to the sit stand desk if it accidentally collides with obstacles or person during operation.

Mounting guidelines

1. TCS1 dongle (sensor) has to be mounted directly underneath the work surface to achieve the highest degree of sensitivity and it MUST be ensured that the dongle is aligned correctly.
2. The TCS1 sensor can be easily installed using only two screws.
3. The recommended placement of the sensor is within the center of the table top.
4. On the TCS1 dongle - the socket for the handset must be facing a column for proper installation.
5. Place the plug into the control box and the plug from the handset into the TCS1.

Note: Sensi touch is blocked for the first 30 mm (in both directions) to prevent unintended activation caused by eventually unsynchronization in the start up-phase.

Important information

- ⚠ The control box must be compatible with the TCS1 to enable protection from this sensor
- ⚠ When the tabletop is already misaligned by an obstacle, trying to drive the desk to opposite direction may trigger sensi touch protection again. Remove the obstacle to operate the desk normally.
- ⚠ Due to the TCS1's high degree of sensitivity, a work station may stop unexpectedly if it is impacted by the sudden placement of objects during raising and lowering
- ⚠ Protection may be delayed, or may not be triggered, when the collision occurs with a soft object. Detection will depend on the object which is involved in the collision.
- ⚠ While reset procedures are being performed sensi touch will not be activated.

Drawing

Standard dimension (mm)

