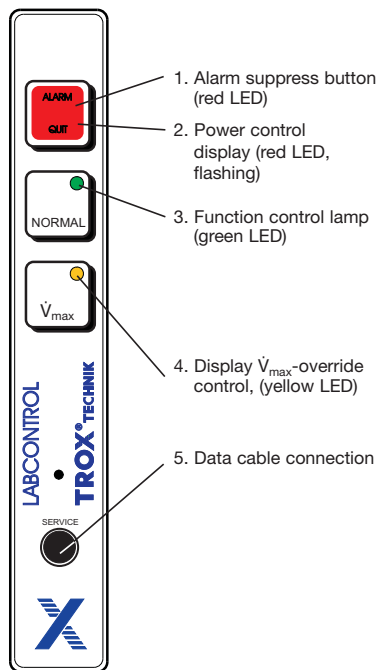


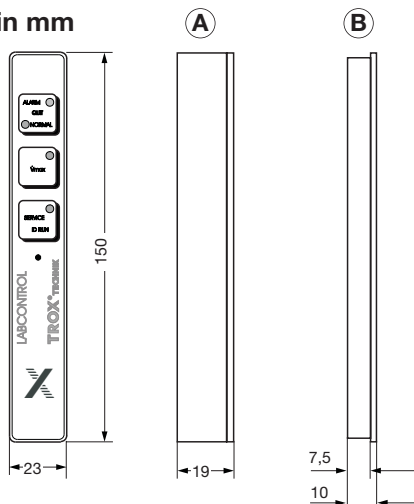
Operator terminal



General information

The Trox TCU-II operator terminal indicates whether the safety of the fume cupboard is guaranteed. The volume flow and/or the intake velocity is monitored. This function monitoring is required under DIN 12924, Part 1 / DIN EN 14175 and is used for the safety of the fume cupboard user. The Trox Labcontrol operator terminal has three control lamps (LEDs) that display the actual operation mode of the fume cupboard. There are two buttons for acoustic alarm suppression and for overriding the \dot{V}_{\max} -switching. If the specified conditions are not fulfilled, the alarm control lamp 1 lights up and an acoustic alarm sounds. Eventually, the loss of power is displayed by the red, capacitor-buffered LED.

Dimensions in mm



Description, Operation

1. Alarm control lamp, (red LED)

If this control lamp is permanently lit, the actual volume flow and/or the air intake velocity is no longer in the safe range or the reduced operation mode is activated. The acoustic alarm (standard duration 10 seconds), can be eliminated with the “suppress” button. The red control lamp lights only if the alarm cause has been eliminated and/or normal operations have been resumed. Reasons for the alarm can be:

- Fully open sash window (with pure face velocity monitoring)
- Failure of the fan or pressure drop in the ductwork

Note: If after closing the protection window the alarm is not eliminated, inform the service staff immediately! A permanent flashing alarm LED points out to a hardware error.

2. Alarm button (Quit)

The acoustic alarm can be switched off with this button.

3. Function control lamp (green LED)

Permanently lit LED: Controller in normal operation mode
LED: Special operation mode (e.g., reduced operation Full shut-off, in this case the red LED is permanently lit)

4. \dot{V}_{\max} -control lamp, yellow

The \dot{V}_{\max} lights up when the controller is working in \dot{V}_{\max} operation mode. If in \dot{V}_{\max} operation the required volume flow is not sufficient, there is a visual and an acoustic alarm.

Flashing LED in conjunction with motion sensor means: “Please close fume cupboard”

5. \dot{V}_{\max} button

This button can be used to manually increase the volume flow to the maximum \dot{V}_{\max} value (keep the button pressed until yellow control lamp 4 lights up). Press the button again to return to normal operation mode. If a time limit has been set, the yellow LED lights up after the set time and the normal mode is resumed.

6. Network control lamp (red LED)

This control lamp flashes if the power supply fails for approx. 12 hours (maintenance-free capacitor buffering). In this case, no further alarm message is generated.

- A** Construction with casing, for installation inside fume cupboard housing
- B** Construction without casing, for installation inside fume cupboard housing, Opening in fume cupboard housing 21 x 148 mm with 2 mm corner radiuses.