

## Graceful Shutdown Board

INEX's Graceful Shutdown Board (GSB) offers functionality necessary in all kiosks powered through UPS (Uninterruptable Power Supply). The procedure of turning off the UPS by means of virtually pulling the plug from the PC is very harmful to the hardware components (hard drives) as well as running software modules and operating system. Nevertheless, in many kiosk designs it is not feasible to shut down Windows O/S on all computers inside the kiosk before turning off the UPS.

Graceful Shutdown Board triggers the reboot or shutdown procedure on all connected computers and indicates when it is safe to turn off the UPS.

## Features

- Autonomous operation: the board does not require external power supply (uses USB power)
- Can monitor / control up to 4 independent computers
- Works with Windows XP / Windows 7 / Windows 8, 32 / 64 bit
- Provides clear indication of current status
- Allows either to shut down or reboot all connected PCs

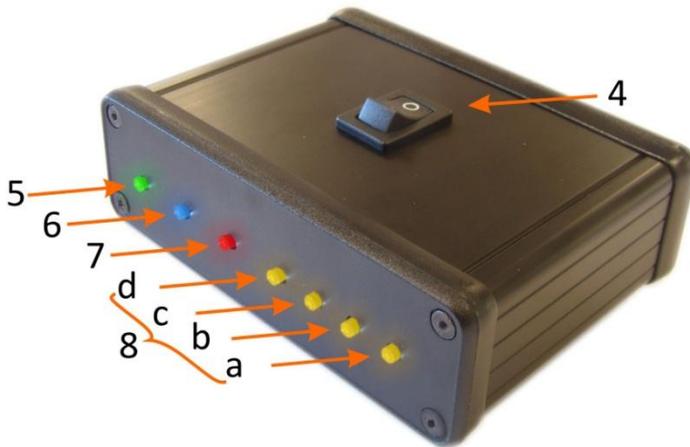
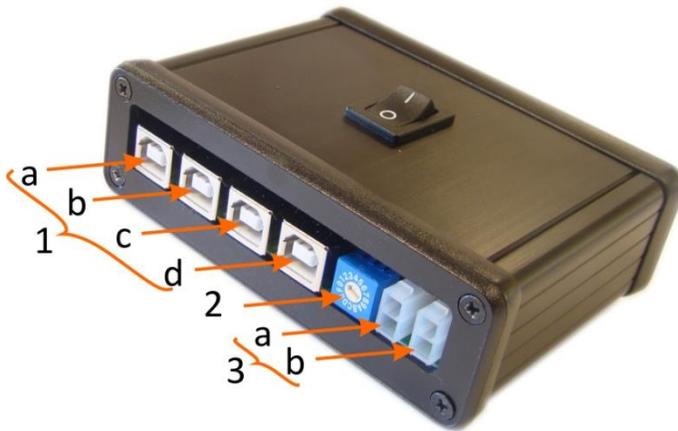
## Shut Down Triggers

- Power button on the GSB
- Software command issued on one of the connected PCs
- Power Fail signal provided by the UPS

## Power Fail handling

- Independent circuit monitoring Power Fail signal provided by the UPS
- Two connectors allow to plug GSB in-line between the UPS and existing monitoring hardware
- Encoding Switch allows to set a delay for the shutdown trigger

## I-EGSB design



**1 a-d:** USB ports allowing to plug up to 4 PCs

**2:** Encoding switch which allows to set to a delay for the shutdown trigger in case of possible Power Fail event

**3 a-b:** Connectors used for connecting the I-EGSB to the UPS and existing monitoring hardware

**4:** Power button used for external (manual) power shutdown

**5:** Green LED which indicates when it is safe to turn off the UPS

**6:** Blue LED which signals countdown for the shutdown command after Power Fail

**7:** Red LED which indicates that GSB is initializing and shows whether shutdown or reboot has been initiated

**8 a-d:** Yellow LEDs which report the state of the PC, each of the four LEDs corresponds with a relevant USB port

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