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Common description with basic functions

The TLS Relaybox is a remote controlled switch with contacts to switch power voltage of 110/230V, which is used for the powering of electric motors for projector lifts or screens and the power supply of all devices in an AV installation. The relay boxes were controlled by the TLS QuickControl, TLS QuickScout, TLS Pathfinder and all other common room controllers. The build in relay contacts are specially designed for inductive loads and so they are made for the controlling of electric motors.

The relays are build in a junction box for electric devices with separated cable outlets for 110/230V and for the controlling lines.

Usage and controlling

The TLS Relayboxes are controlled by the open contacts from room controllers or sensors. The changeover contacts can work with inductive loads and are able to open and close electric circuits. The specially designed relays can resist the induced voltage and the spark generation which occurs from the switching of the electric engines. Low cost relays will be destroyed by this spark generation and will not work any more after a short time of usage. The relaybox is build in a waterproof junction box with separated cable glands and is a cost effective and practical device for all sizes of conference- and training-rooms. It can switch every electric circuit up to 250V/10A=.

Installation and operating voltage

The shock-resistant and waterproofed relaybox can be fixed with 4 screws at walls, in blankets or in cable ducts. All used connecting cables run through splashproofed cable glands inside the relaybox. The installer is able to open the upper shell of the relaybox and all cables are easily accessible inside the relaybox.

According to the low power consumption of the electronic parts, the relaybox can be supplied with the operating voltage from the TLS QuickControl or the TLS QuickScout.

Otherwise the power supply comes from an external power supply and is connected to a 2pin terminal on the conductor board.

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Common

All used materials inside the relaybox comply to the newest standards for material and comply to the european regulations against smoke, fire and environment protection. The used electrical parts guarantee a secure switching of the relays.

The relaybox is designed and assembled for the professional usage in every conference- and trainingroom for all common devices.