STAR Teleport

Emergency lighting remote testing and control device

Features:

- Test function up to 50 luminaries, including groups of fixturies
- Emergency mode blocking function for routine repairs works
- Installed on a DIN rack in the switchboard

Description

Star Teleport is a perfect solution designed for remote control and testing of emergency lighting. During a testing process emergency mode is simulated to check the function of the luminaires and correct malfunctions. The blocking function consists of disabling the emergency mode when necessary (when the main lightings are off due to nobody being inside, when service is to be performed etc.) to preserve battery charge in the emergency luminaires.

A case is made of a polymer. Star Teleport is equipped with a rechargeable battery Ni-Mh (the unit can work during a power outage) and a two reset type switches.

When the «PUSH» button is pressed, the device outputs a 12 V signal to the emergency luminaire to simulate the emergency mode. When the «STANDBY MODE» button is pressed there is simulated the service mode, i.e. disabling the luminaires in the emergency mode when the power is off during maintenance or service. To back to emergency mode the «STANDBY MODE» must be pressed again.

12 V voltage is output to the luminaires, switching the luminaires from the emergency mode to the standby mode.

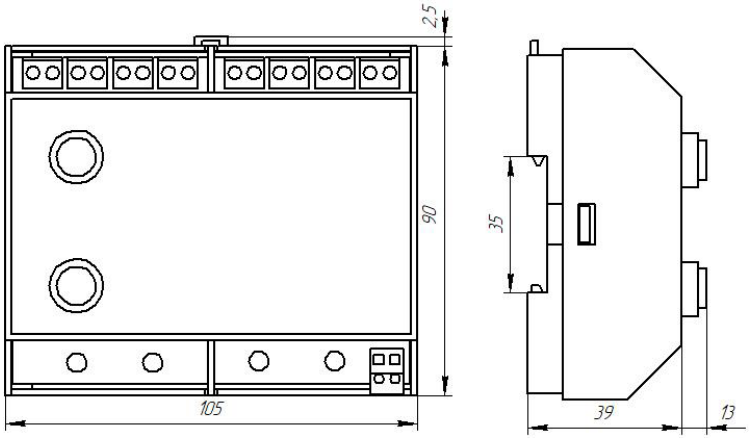
SPECIFICATION

	Model Name	Star Teleport
WORKING CONDITIONS	NUMBER OF CONNECTED LIGHT FIXTURES	1-50
	NUMBER OF GROUP CONTROL CIRCUITS	8
	MAXIMUM GROUP CONTROL CIRCUITS LENGTH	1000 m.
	MAXIMUM NUMBER OF CONNECTED LAMPS IN THE MANAGEMENT GROUP	Table 2
ELECTRICAL PARAMETERS	OPERATING SUPPLY VOLTAGE	~230±10% V =220±10% V
	FREQUENCY RANGE	50/60 Hz
	RATED INPUT	2,5 W
	POWER FACTOR	0,35
	RATED CURRENT CONSUMPTION	15 mA
	CONTROL SIGNAL VOLTAGE «THE FUNCTION TEST»	+12 V
	SIGNAL VOLTAGE «STANDBY»	-12 V
	SIGNAL VOLTAGE «STANDBY OFF»	+12 V
ENVIROMENT	WORKING TEMPERATURE	+1...+35 ^{0}C
	BATTERY TYPE	Nickel Metal Hydride, fixed
	BATTERY CAPACITY	300 A*h
	INSTALLATION AND MAINTENANCE OF THE BATTERY	Rebrazing
OTHERS	MAXIMUM CABLE SIZE	2,5 mm^2
	IP RATING	IP20
	HOUSING MATERIAL	Polycarbonate
	INSTALLATION ONSITE	DIN - rack
	DIMENSION	105 x 90 x 52 mm
	WEIGHT	0,35 kg

NOTE:

All parameters were measured at power network 220 VAC, rated current and 25 ^{0}C of ambient temperature Measurement accuracy 3 - 5 %.

MECHANICAL SPECIFICATION



Star Teleport
Terms and conditions for safe operation

The device is operated in accordance with the «Technical operation Rules».

Installation (disassembly) and maintenance of the device must be performed by qualified personnel who are authorized to perform electrical work.

After the device has been exposed to extreme temperatures and / or high humidity it must be kept at a temperature of 20-25°C and relative humidity up to 80% within 8 hours.

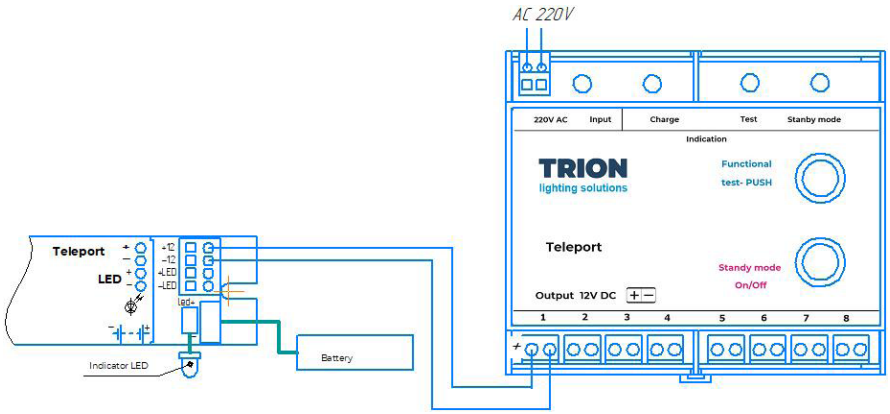
It must be abided by:

1. It is strictly forbidden to carry out maintenance of the device by finding under tension.
2. Connect and operate wires with damaged insulation.
3. Connect the device to faulty electrical wiring.

Preparing the device for operation

Install the device on a DIN-rack. These elements are recommended to install away from heat as the high temperature reduces its service life.

Connect the control cable, with respect to the polarity, to the terminals of the group circuits to control Teleport, according to the connection diagram in figure 2.



The length of the cable in the control circuit depends on the cross-section of the control cable and the number of connected lighting devices, data is shown in table 2.

№	Cable size, mm²	Number of lighting devices connected within one control group			
		5	10	25	50
1	0,75	300	150	60	30
2	1,5	600	300	120	60
3	2,5	1000	500	200	100

1. Connect the control cable to the lighting devices (luminaries) observing the polarity.
2. Connect the power cable to the device.
3. Apply voltage to the device, make sure that the battery has started charging Teleport, the led indicator should light up.
4. Turn on the power supply group circuit protection device in the emergency lighting panel, convince make sure that all mounted permanent lighting devices are switched on, and the lights are on.
5. You can see the battery charge indicators. To determine the correct installation and correct operation for all components of the emergency lighting system, switch the lights on in 30 minutes.
6. Switch the lights to emergency mode and use Teleport to switch the lights to emergency mode.
7. Please make sure that the lights are turned off.

The modes of operation of the Star Teleport

Test modes	System status indication		The process of luminaries operation
1. Operating mode - voltage 220 V is applied to the device		Green	The ordinary operating mode
2. Functional test - the luminaries powered from the emergency kit power source (emergency mode) for the entire time that the «PUSH» button is held down. After you stop holding the button, the luminaries turned to operating mode.		Blue	Emergency mode
Standby and emergency blocking modes			
1. Standby mode - the command is executed after you enable the object of the emergency mode, when SRO no power, and the fixtures on from the emergency kit. After pressing the «STANDBY MODE» it is fixed in the pressed state, the lamp power stops, the lamp goes out and does not light for the entire time until the «STANDBY MODE» will not be clicked again.		Red	The luminarie is switched off
2. Exit from standby mode - exit from standby mode is done by pressing the «STANDBY MODE».		The luminarie is switched off	

Change of Specification

Trion reserve the right to change specifications without prior notification or public announcement.

Conclusion

Every care is taken by Trion, in the design and construction of its products, to ensure that as far as is reasonably practical, the products, when properly used are safe, and without risk to health.

Do not attempt to modify this product. Any modification will render the product unsafe.

Trion will not admit any responsibility for damage, injury or loss, which may gain as a result of incorrect installation, maintenance, operation or disposal.