

## IR receiver + RS232

For control projector lift and motorized screen.  
IR remote (AV equipment/projector)  
and RS232, Wall switch

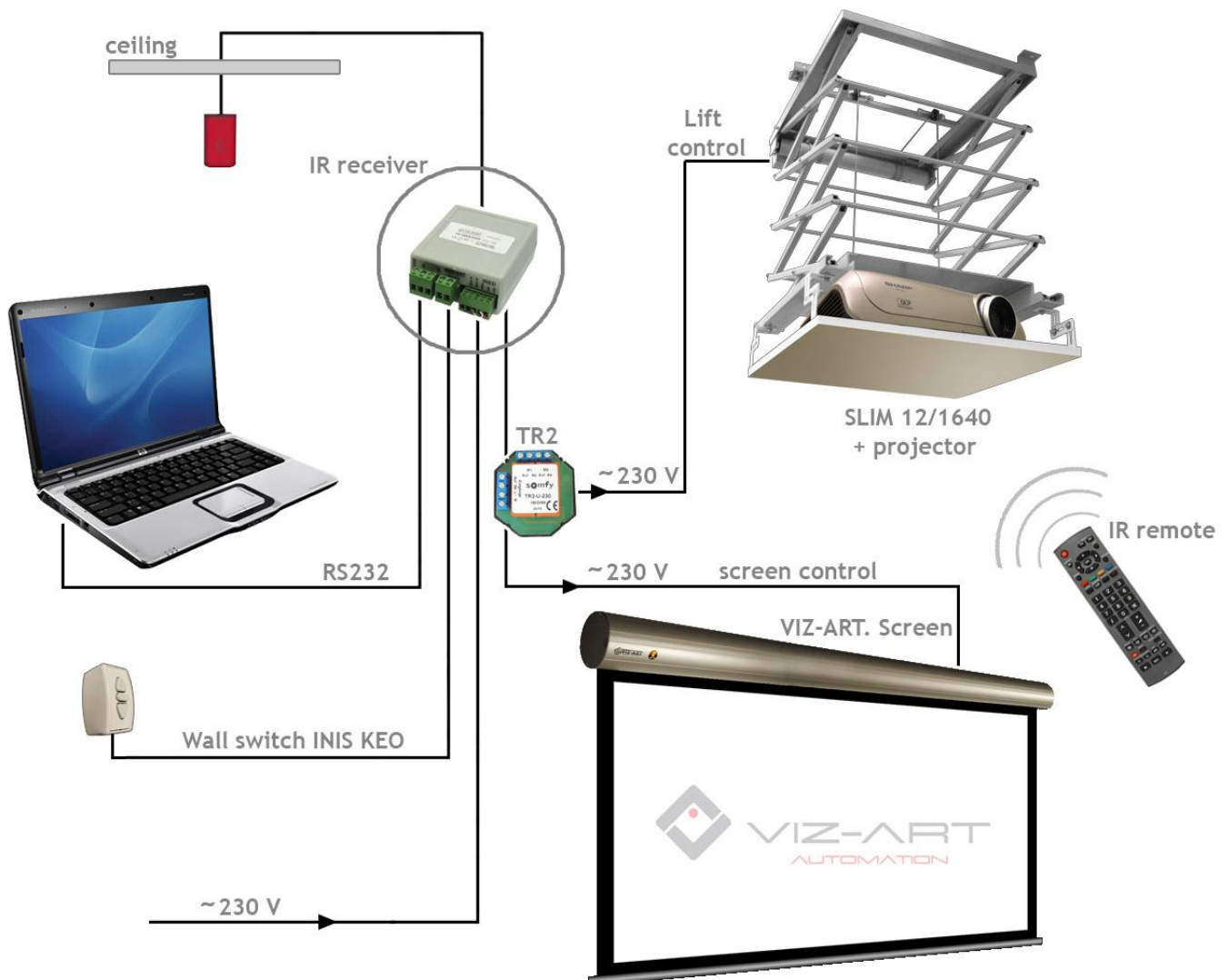
**VIZ-ART**  
AUTOMATION

Connection to power supply will affect 3 blinks  
LED diode on bottom of unit.



1. Programming:

## IR receiver + RS232 with TR2 transformer



### a. programming Start.

Press and hold(using pen or pin) programming button on bottom of device for 2 sec. until LED diode will light on device for 1 sec. After LED diode light stop device is In programming mode.

### b. Programind code output "A" (roll UP).

After LED diode Stopped to light receiver waits for signal from IR remote (selected button in your IR remote) which operates output "A". After code was correctly stored, LED diode will light 1 sec, dimmed 0,3 sec. and

will light again for 1 sec.

**c. Programind code output “B” (roll DOWN).**

After LED diode Stopped to light receiver waits for signal from IR remote (selected button in your IR remote ) which operates output “B”. After code was correctly stored, LED diode will light 1 sec, dimmed 0,3 sec. and will light again for 1 sec.

**d. Programind code - “STOP”.**

After LED diode Stopped to light receiver waits for signal from IR remote (selected button in your IR remote ) activates “STOP” function. After code was correctly stored, LED diode will light 1 sec, dimmed 0,3 sec. and will light again for 1 sec.

**e. Programming time for code “A”.**

Next step is programming time for code “A”. Press a button on your IR remote, programmed as code output “A” (roll UP), activates code “A” and LED diode will light for 1 sec. and time starts to be measured. By pressing “STOP” button switch off code „A” i and stores measured time.

**f. Programming time for code “B”.**

Next step is programming time for code “B”. Press a button on your IR remote, programmed as code output “B” (roll UP), activates code “B” and LED diode will light for 1 sec. and time starts to be measured. By pressing “STOP” button switch off code „B” i and stores measured time.

**g. After buttons are programmed.**

After buttons/time are programmed LED diode will blink fast 10 times. Unit is ready to use.

**Interrupt programming.**

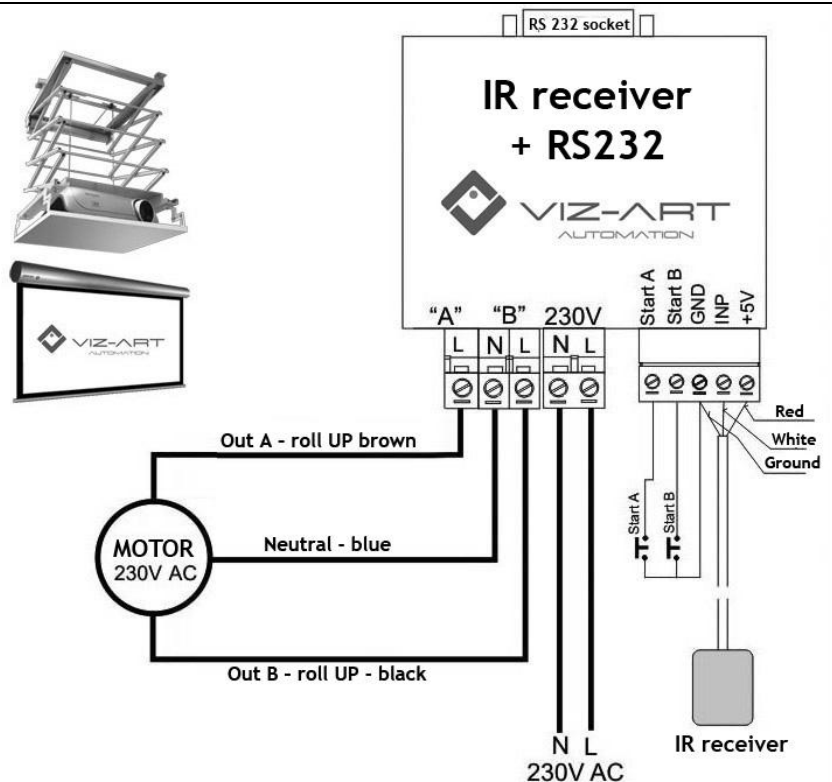
In etery moment you can interrupt programming by pressing programming button on bottom of device (LED diode blinks in combination: 3 short blinks, 1 long blink - 2 cycles).

**RS Codes for control via RS 232(hex) - (9600bod, 8N1):**

- “direction ”A”: 00\$, E0\$, E0\$
- “ direction ”B”: 00\$, FC\$, FC\$
- “STOP”: 00\$, 00\$, 00\$

**Attention**

Temp. Buttons “Start A” and “Start B” sends commands codes “A” or “B” for programmed time.



**Attention**

**ST2/RS can control one device. To control more than one AV device (i.e. screen / lift) TR2 is strongly recommended.**

**2. Techical data:**

- Max load current relay contacts: 2.5A
- Available time for programming codes: A- 30 minutes; B- no limit or by „STOP” interrupted
- Available IR remote standards for programming RC5, RC6, NEC etc.
- Blocked possibility of using both directions buttons

Manufactured by: VIZ-ART Automation  
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## SAFETY INFORMATION CAUTION

To ensure safety of the personnel, make sure to follow the guidelines provided in this instruction manual. Keep the instruction manual for future reference.

- Do not allow children to play with the device controller (switch or remote control).
- Do not leave device controllers within the reach of children.
- Inspect the equipment assembly periodically to identify and repair any damages.
- If any damages are identified, do not use the equipment until the necessary repairs are made.
- Keep appropriate distance from the equipment during operation. In case of a failure, the equipment may constitute a risk of injury or wounds.
- Do not install any items other than those specified in the equipment instruction manual. All installation and mounting works should be done by an engineer with appropriate licenses.
- Inappropriate mounting may damage the product or cause injury.
- Use only elements compliant with the mounting instructions.
- It is prohibited to perform any steps that may damage the power supply cord or plug.
- Do not modify the power cord, i.e. do not make any structural modifications, do not place the cord in immediate vicinity of hot objects, do not bend or twist the cord, do not pull the cord, do not place any heavy objects on the cord, and do not coil the power cord.
- Using the equipment with a damaged power cord may cause electrocution or shorting of the circuits and fire.
- Do not touch the power cord or plug with wet hands.
- Always follow the guidelines provided in this instruction manual and in the equipment mounting instructions.
- Before installing the equipment, make sure it is complete, free of defects, compliant with your order, and has not sustained damage in transport.

## INSTALLATION GUIDELINES

- The equipment should be installed by a qualified engineer, in accordance with the guidelines provided in the mounting instructions. Electrical connections should be made by a specialist with an appropriate license.
- Install the equipment using screws and mounting elements appropriate for the conditions of the installation, to which the lift is mounted, and stable, original auxiliary elements, dedicated for the specific lift model.
- After mounting the equipment, before first use, check if it is mounted as per the instructions, and level. If the equipment is not level, adjust the mounting. Do not use equipment that is not properly installed.
- Do not modify or unscrew elements of the equipment, as this may cause a risk of permanent damage to the equipment and/or the safety of the users.

## WARRANTY CONDITIONS

The warranty period for the device is 24 months from the date of purchase indicated on the original receipt.

- 1) The warranty period for the device's electric drive is 60 months.
- 2) The warrantor commits to fix free of charge damage suffered by a device delivered to the service point that demonstrates defects resulting from defects in workmanship or materials, which become noticeable during the warranty period.
- 3) The warranty does not cover:
  - a) damage caused by use of the device in a manner other than that described in the user manual,
  - b) damage caused by improper storage or transport,
  - c) mechanical damage,
  - d) abrupt changes in electrical grid voltage,
  - e) disassembly and reassembly,
- 4) Defects will be removed within 14 days from the date the device is accepted on warranty at a service point.
- 5) Service point address



Manufactured after 13.08.2005.

Do not dispose of used electrical and electronic equipment together with municipal waste, due to the presence of substances hazardous to the environment in the equipment. Such devices should be delivered to a collection point for recycling. Information on collection points is available from local government authorities or in stores.



## DECLARATION OF CONFORMITY

### VIZ-ART AUTOMATION



**I hereby declare, with sole responsibility, that the products:**  
**TRIGGER 5-30V DC ; TRIGGER 230V AC (RF); remote control VIZMOTE1;**  
**remote control VIZMOTE2; Radio Receiver RF; SMARTBOX, EXTEND IR;**

they comply with the following main requirements:

**1999/5/EC Radiocommunication Equipment Directive (R&TTE),**  
**2004/108/EC Electromagnetic Compliance Directive (EMC),**  
**2006/95/EC Low Voltage Equipment Directive (LVD),**

and in particular with the following harmonized standards:

**EN 60950-1:2006, safety of use,**  
**EN 61000-6-1:2007 EMC, general requirements,**  
**EN 61000-6-3:2007 EMC, general requirements,**  
**EN 301 489-1 V1.8.1 (2008-04) EMC, radio equipment,**  
**EN 301 489-3 V1.4.1 (2002-08) EMC, short range devices,**  
**EN 300 220-1 V2.3.1 (2010-02), EMC, radio requirements (ERM)**

and are marked with CE

