

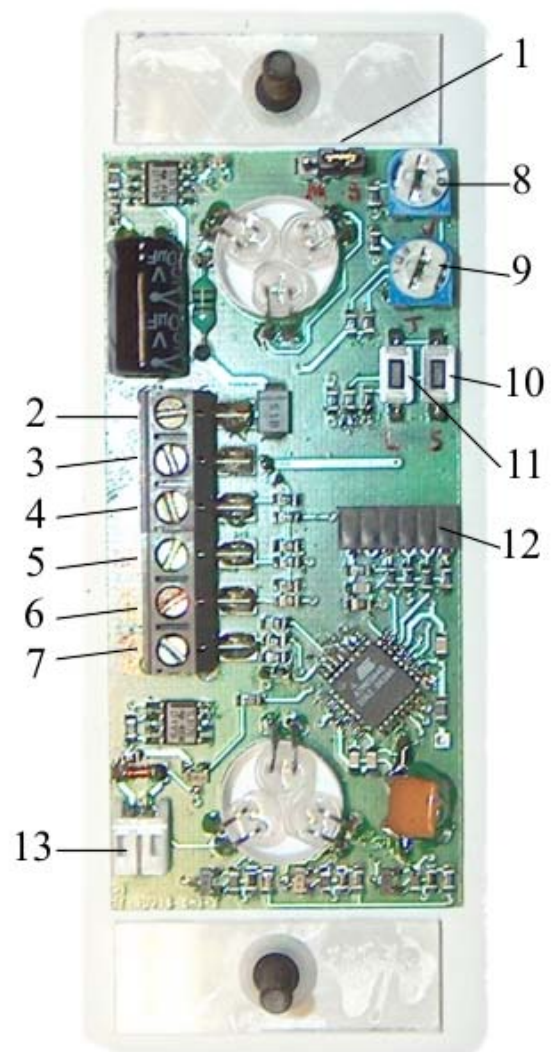
Audio-visual warning device is designed for automatic swinging and sliding doors for increased pedestrian safety.

Functional data:

- Hi visibility LED
- Loud sound device (buzzer) with volume regulation
- Several rates of LED flash
- Several programs of sound generation
- Several inputs for activation
- Special connector for optional acceleration module (ST-ACCM-01)
- Optional acceleration module senses motion of swinging and sliding doors in both directions
- May operate in master and slave mode so you can set one device as master and connect several slave devices which will act as settings on master
- Wide range of power supply

PCB description:

	MASTER MODE jumper on the left side	SLAVE MODE jumper on the right side
1	power supply ~12..35V AC, +12..24VDC +/- 20%	
2	GND	
3	GND	
4	LIN – light trigger input - as long as this pin is connected to GND LED flashes as per program	not used
5	SIN – sound trigger input - as long as this pin is connected to GND Buzzer sounds as per program	not used
6	XIN – external trigger - as long as this pin is connected to GND and at set time after that state (regulated by pot. 9) LED and Buzzer are per program	not used
7	SYN – synchronization output	SYN – synchronization input
8	sound volume regulation	
9	time regulation (0..6s) – for XIN and acceleration module	not used
10	sound program change switch	not used
11	light program change switch	not used
12	optional accelerometer module connector – when this module senses an acceleration and at set time after that (regulated by pot. 9) LED and Buzzer are as per program	not used
13	buzzer connector	



Installation instructions:

1. Turn off power supply.
2. Prepare holes in aluminium profile to mount a case and a wire
3. Connect a GND wire (see picture, point 3)
4. If you use several AuVis devices in Master-Slave mode, connect master and slaves using the same GND connection, than wire all SYN contacts in master and slaves together (see picture, point 7).
5. Set up a jumper in Master mode (see picture, point 1). If you use several AuVis devices in Master-Slave mode set up one device in Master mode and other in slave mode.
6. (master device only) If you use external signal for activation an AuVis device, connect it to proper inputs. All inputs are activated by connecting it to GND so as a signal source you can use a relay connected to GND or transistor in open-collector configuration. All inputs are described in a table (point 4,5 and 6).
7. If you are going to use an acceleration module, assemble it in master device.
8. Connect buzzer (see picture, point 13)
9. Connect a Power wire (see picture, point 2) in master and slave devices.
10. Turn on power supply.
11. (master device only) Chose a LED program by pressing a L button (see picture, point 11). After pressing a button program will change and will be selected as long as you hold this button. You can see a LED program list in a "technical data" table bellow.
12. (master device only) Chose a Sound program by pressing a S button (see picture, point 10). After pressing a button program will change and will be selected as long as you hold this button. You can see a Sound program list in a "technical data" table bellow.
13. (master device only) If you use acceleration module or XIN input, set up time using potentiometer (see picture, point 9).
14. Set up sound volume by potentiometer (see picture, point 8). You can regulate volume in master and all slaves devices independently.
15. Test all devices and screw into case.
16. Test it once more.

Technical data:

Type	ST-AuVis-001
Power supply	12..35V DC, 12..24V AC +/- 20%
Volume	regulated by potentiometer from 0% to 100%
LED programs	<ol style="list-style-type: none"> 1. OFF 2. 0.50s ON, 0.50s OFF... (blinking 1Hz) 3. 0.25s ON, 0.25s OFF... (blinking 2Hz) 4. 0.10s ON, 0.10s OFF... (blinking 5Hz) 5. 0.50s ON, 0.05s OFF... (blinking 10Hz) 6. 0.10s ON, 0.50s OFF... (one long flash and pause) 7. 0.05s ON, 0.50s OFF... (one short flash and pause) 8. 0.10s ON, 0.10s OFF, 0.10s ON, 0.50s OFF... (two long flashes and pause) 9. 0.05s ON, 0.10s OFF, 0.05s ON, 0.50s OFF... (two short flashes and pause) 10. 0.10s ON, 0.10s OFF, 0.10s ON, 0.10s OFF, 0.10s ON, 0.50s OFF... (three long flashes and pause) 11. 0.05s ON, 0.10s OFF, 0.05s ON, 0.10s OFF, 0.05s ON, 0.50s OFF... (three short flashes and pause)
Sound programs	Buzzer can generate 3 tones L-lo, M-medium, H-high 1..11 same as for LED (with M tone) <ol style="list-style-type: none"> 12. 0.40s H, 0.40s L 13. 0.20s H, 0.20s L 14. 0.25s L, 0.25s M, 0.25s H, 0.25s M 15. 0.10s L, 0.10s M, 0.10s H, 0.10s M 16. 0.05s L, 0.05s M, 0.05s H, 0.05s M 17. 0.40s L, 0.20s M, 0.10s H, 0.20s M 18. 0.20s H, 0.20s L, 0.20s M, 0.20s L 19. 0.10s H, 0.10s L, 0.10s M, 0.10s L 20. 0.10s H, 0.10s L, 0.10s H, 0.10s M 21. 0.10s H, 0.15s L, 0.10s H, 0.15s M 22. 0.15s H, 0.10s L, 0.15s H, 0.10s M
Operating temperature	-20C to +55C
Equipment packed	<ul style="list-style-type: none"> • Device • Hexagonal key • Installation instructions

