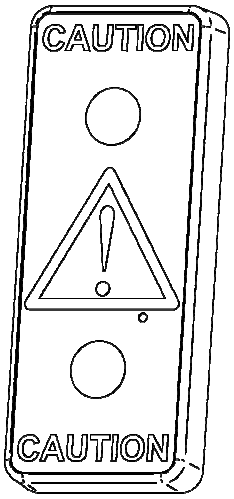
ST-AuVis-001	**Audio-visual warning device for Automatic doors**

Audio-visual warning device designed to increase pedestrian awareness of automatic swing & sliding doors.

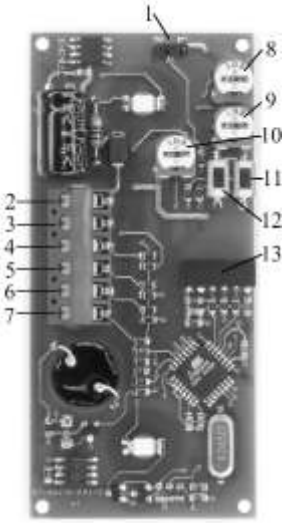


Functional data:

- Two bright programmable LED's to increase visual awareness
- Loud beeping noise with volume regulation to increase audio awareness
- 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 to it.

PCB description:

1	**MASTER MODE** jumper on the left side	**SLAVE MODE** jumper on the right side
2	power supply +12-35V DC, ~12-24V AC +/- 20%	
3	GND	
4	LIN – light trigger input - as long as this pin is connected to GND the LED's can be programmed. (Connecting to GND is not required if the Acceleration module (13) is used.)	not used
5	SIN – sound trigger input - as long as this pin is connected to GND the Beeper can be programmed. (Connecting to GND is not required if the Acceleration module (13) is used.)	not used
6	XIN – external trigger - as long as this pin is connected to GND the LED and Beeper can be programmed. (Connecting to GND is not required if the Acceleration module (13) is used.)	not used
7	NET – network (synchronization output)	NET – network (synchronization input)
8	Sound volume regulation	
9	Time regulation (0-6s) – for XIN and acceleration module (This is the regulation of the time after which acceleration is detected or XIN is activated that the beeper and LED's will be active.	not used
10	Acceleration sensitivity (only when acceleration module installed)	not used
11	Beeper sound program adjustment switch	not used
12	LED program adjustment switch	not used
13	Optional accelerometer module connector – when this module senses an acceleration the LED and Beeper will react as per programs set using switches 11 & 12	not used



Installation instructions:

1. Turn off power supply.
2. Drill two 2,5mm holes in aluminium profile to mount a case.
3. Drill one 5-10mm hole for wire.
4. Screw and unscrew screws in 2,5mm holes to make a thread. Keep screws perpendicular to the aluminium surface.
5. Connect a GND wire (see picture, point 3)
6. If you use several AuVis devices in Master-Slave mode, connect master and slaves using the same GND connection, than wire all NET contacts in master and slaves together (see picture, point 7).
7. Set up the 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.
8. (Master device only) If you use an external signal for activation an AuVis device (no acceleration device installed), 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).
9. If you are going to use an acceleration module, insert it into the AuVis which is configured as a master.
10. Connect Power wires (see picture, point 2) in master and slave devices.
11. Turn on power supply.
12. (Master device only) Chose a Beeper program by pressing "S" button (see picture, point 11). After pressing the button the program will change after each press. (Please see table below for sound details)
13. (Master device only) Chose an LED program by pressing the L button (see picture, point 12). After pressing the button the program will change after each press. (Please see table below for sound details)
14. (Master device only) If you use acceleration module or XIN input, set up time using potentiometer (see picture, point 9).
15. Set up Beeper loudness using potentiometer (see picture, point 8). You can regulate loudness in master and all slaves devices independently.
16. Master device only when acceleration module installed. Set up acceleration sensitivity using potentiometer (see picture, point 10).
17. Screw case.
18. Test it once more.
19. Stick front panel on the case. (Note: If you feel that you may want to remove the front panel at a later date to re-adjust the Auvis then it is a good idea to leave a portion of the adhesive surface not exposed in order to make removal of the front panel easier.

Technical data:

Type	**ST-AuVis-001**
Power supply	12-35V DC, 12-24V AC +/- 20%
Power consumption (external power)	?
Sound loudness	Regulated by potentiometer from 0% to 100%
LED programs	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	Beeper can generate 3 tones L-lo, M-medium, H-high 1..11 same as for LED (with M tone) 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
Weight	?
Equipment	• Device • Front panel • Two screws • Installation instructions