LES Series

- Audiovisual signaling for industrial areas
- Signaling with or without audiovisual column
- Visual signaling with high-luminosity LEDs
- Intermittent operation audiovisual signaling
- Siren with volume adjustment
- Siren with 15 selectable tones
- High-intensity sound and low-consumption piezoelectric siren
- With alarm input recognition
- Models with one alarm (MAV 401) or two (MAV 402)



Audiovisual

Signaling

Specifications

12/24 Vac 24 Vdc 110/220 Vac	
5 to 30 Vdc	
15 W	
90 dB at 1 m	
High-luminosity LEDs	
12 Vdc; Imax.= 50 mA	
With volume adjustment	
With 15 types of tones to select via DIP switch	
e of Protection IP54 (IEC 60529)	
ABS	

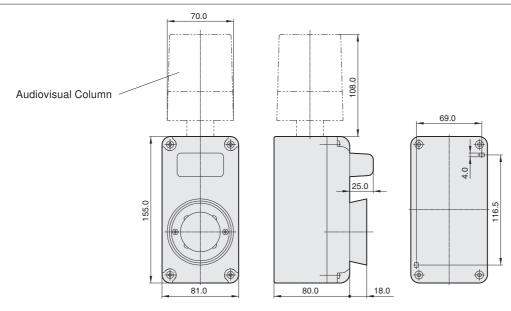
Ordering Information

MAV401-10369

Audiovisual C	Audiovisual Column		
Without column	= 1		
With column	= 2		

Tension / Audiovisual Column			
Tension	Without Column	With Column	
110/220 Vac	= 10369	= 9610	
12 Vca ou 24 Vac/dc	= 10370	= 9612	

Dimensions (in mm)





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Audiovisual Signaling

Ajustments and Electrical Connections

Operation Modes:

- 1- No recognition and command through power supply
 - In this mode, using a jumper on the borne between +V and AL1 input, visual and sound signal is activated when the module is powered
- 2- No recognition (Jumper J1) and command through alarm input (AL1 or AL2)

Alarm 2

(MAV402)

adjustment

Alarm - Volume

- In this case the connections can be seen in figures 2, and must be with jumper J1 in the S/ (without Recognition) position. With the module powered on, sound and visual signaling will be activated when the alarm command been activated.
- 3- With recognition (Jumper J1)
- Visual and sound signal activation will occur upon an alarm event (AL1 or AL2), by activating the recognition input (COM REC) the sound signal ceases, and the visual signal is activated until the alarm input is normalized. Note: For momentary alarm events, the visual signal alarm remains on until the recognition input is activated.
 - The same procedure is applied for input AL2 (MAV 402).
 - Connection schemes: see Configuration of 12Vcc Output and Inputs
 - 4- MAV402 Model AL2 alarm volume

Fig.2 - Control and Inputs Module

- The audio alarm AL1 has priority when both alarms are simultaneously activated.
- The maximum AL2 alarm volume is limited to the adjusted AL1 volume.

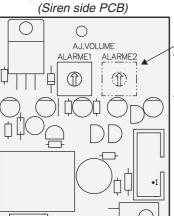
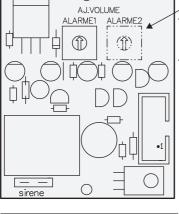
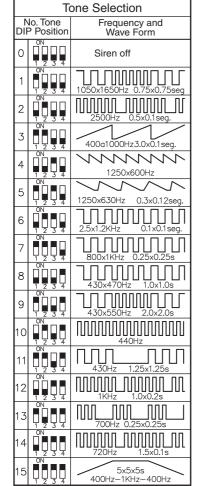
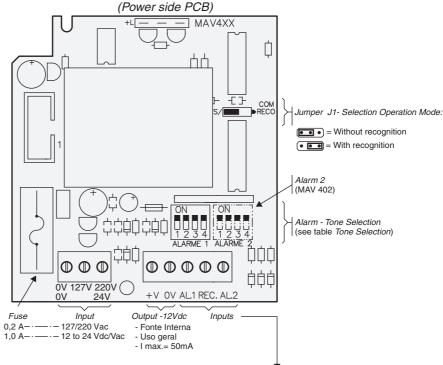
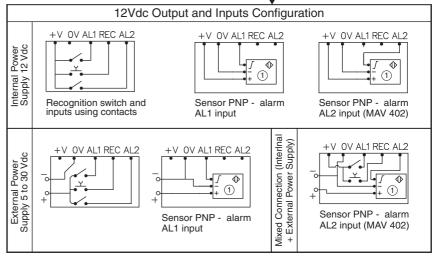


Fig.1 - Amplifier Module









1 Use sensor compatible with voltage range



Audiovisual Signaling

INSTALLATION INSTRUCTIONS

A WARNING

- Turn off the power to make electrical connections or before any maintenance on the switch or equipment where it is applied.
 Electric shock will result in death or serious injury.
- Installation and maintenance services for electrical equipment should be executed only by qualified personnel.
- Read these instructions carefully. Retain instructions for future reference.
- Inappropriate use of the product could result in personal injury and/or property.
- Additional informations: sak@kap.com.br

Fig.1 - Amplifier Module

(Siren side PCB)

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Tone Selection

Siren off

Frequency and Wave Form

400a1000Hz3.0x0.1seg

NNN

1250x600Hz

5x5x5s -1KHz-

No. Tone DIP Position

0

2

3

4

5

6

8

ALARME1

AJ.VOLUME

ALARME2

Operation Modes:

- 1- No recognition and command through power supply
 - In this mode, using a jumper on the borne between +V and AL1 input, visual and sound signal is activated when the module is poweredon.
- 2- No recognition (Jumper J1) and command through alarm input (AL1 or AL2)
 In this case the connections can be seen in figures 2, and must be with jumper J1 in the S/ (without Recognition) position. With the module powered on, sound and visual signaling will be activated when the alarm command been activated.
 - 3- With recognition (Jumper J1)

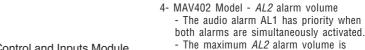
Alarm 2

(MAV402)

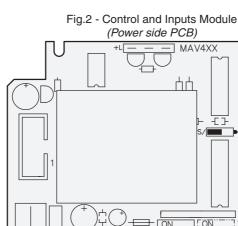
Alarm - Volume

adiustment

- Visual and sound signal activation will occur upon an alarm event (AL1 or AL2), by
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 signal alarm remains on until the recognition input is activated.
- The same procedure is applied for input AL2 (MAV 402).
- Connection schemes: see Configuration of 12Vcc Output and Inputs



limited to the adjusted AL1 volume.



S/ SECO Jumper J1- Selection Operation Mode.

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Alarm 2
(MAV 402)

Alarm - Tone Selection
(see table Tone Selection)

• Without recognition

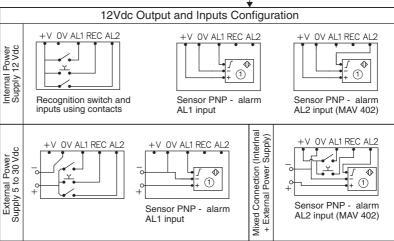
• • • With recognition

OV 127V 220V +V 0V AL.1 REC. AL.2

Fuse Input Output -12Vdc Inputs

Fuse Input Out
0,2 A -- -- 127/220 Vac - F
1,0 A -- -- 12 to 24 Vdc/Vac - L

- Fonte Interna Vac - Uso geral - I max.= 50mA



 $\ensuremath{\textcircled{1}}$ Use sensor compatible with voltage range



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