

POWER SUPPLY	24V—, 12V—, (230V— AVD FJ 230)
CONSUMPTION	95mA (medium consumption)
ST-BY CONSUMPTION	8mA (without recharging battery)
KIND OF WORK	- Without start command - With start command
KIND OF START COMMAND	Selectionable (see SW2 and SW3)
SOUND PRESSURE	95dB (A) at 1m
KIND OF SOUND	- Bruch frequency from 2500 up to 3800Hz - Fixe frequency sound 3000Hz
KIND OF LIGHTING	N.3 high luminosity led
KIND OF BATTERY	Pack 9.6V 700mAh (*)
TEMPERATURE RANGE	From - 15 up to +55°C
INPUT PROTECTION	IP40
KIND OF MATERIAL EMPLOYED	- Autoextinguish white ABS for cover and base - Autoextinguish Transparent Polycarbonate door
DIMENSIONS	320 x 140 x 68mm (L x H x P) Vers. AVD FJ 320 x 140 x 68mm (L x H x P) Vers. AVD FJ A 320 x 140 x 95mm (L x H x P) Vers. AVD FJ BF (**) 320 x 140 x 95mm (L x H x P) Vers. AVD FJ BF A (**) 320 x 140 x 103mm (L x H x P) Vers. AVD FJ A 230
WEIGHT	450g Vers. AVD FJ 620g Vers. AVD FJ A 650 Vers. AVD FJ BF (**) 820g Vers. AVD FJ BF A (**) 1350g Vers. AVD FJ A 230

(*) Only for selfpowered versions
(**) without wall bracket

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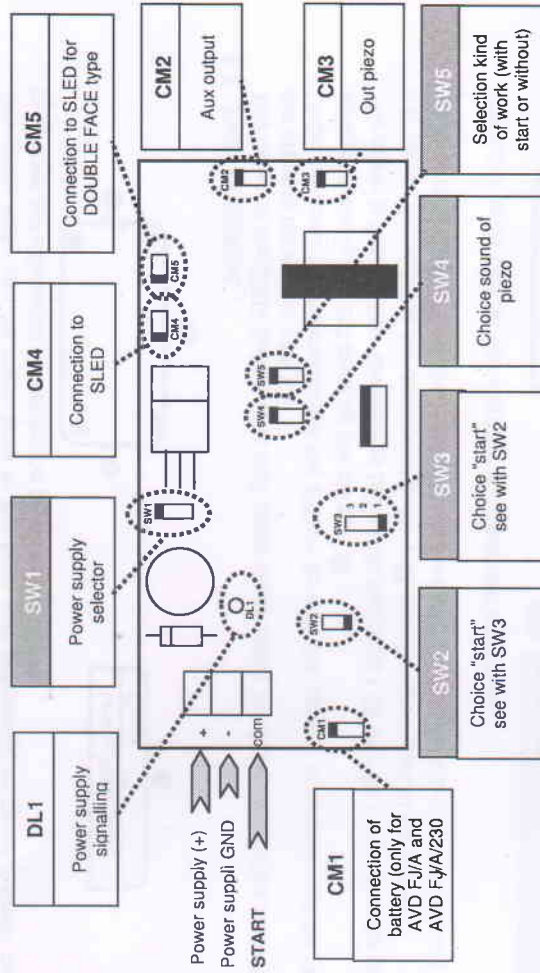
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INSTALLATION MANUAL

AVOTEC AVOTEC
AVD FJ SERIE – Optical acoustic panel for fire signalling -

1- LAYOUT AND SETTINGS



1.1 JUMPERS FUNCTION

To select the kind of work see hereunder settings:

1.1.1 Operation and sound

	OPEN	CLOSED
SW1	For power supply $\geq 10V$ —	For power supply $< 10V$ —
SW4	Bruch frequency sound	Fixe frequency sound
SW5	Operation with start command	Operation without start command (*)






(*) in this situation SW2 must be open while SW3 have to be the on 1-2 position

1.1.2 Choice of start

	SW3 closed on 1-2	SW3 closed on 2-3
SW2 open	Positive to miss	Positive to give
SW2 closed	Negative to give	Negative to miss

INSTALLATION



2.1 LOW TENSION VERSION.





The fixing of the low voltage base to the wall takes place using the passing quarries shown in the drawing hereunder (). The cover is fixed to the low voltage base with the joints () and (). To open the door it is necessary to press the positioned point () on the upper part of the panel. To remove the cover from the base it is necessary to do side pressure on the points ()).

The cable entry can be made both in the back and sideways; in quest ? finish case burglarries are sideways preset for the pressa-tubo 20mm

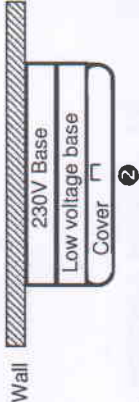


2.2 230V~ VERSION.

The fixing of the 230V base to the wall takes place using the passing quarries shown in the drawing hereunder (). Once executed the connection of the 230V~ fix with the screws in endowment the "low voltage" base to the 230 base by the points ().

The cover is fixed to the low voltage base with the joints () and (). To open the door it is necessary to press the positioned point () on the upper part of the panel. To remove the cover from the base it is necessary to do side pressure on the points ()).

The cable entry can be made both in the back and sideways.



2.3 DOUBLE SIDED VERSION

The fixing of the panel to the wall is made by the bracket STF/P1 (not supplied). The bracket is fixed to the base by two cable glands supplied with the IP KIT which also have the function to bring in the connection wires within the panel. (FIGURE A) The cover can be detached from the base as shown in FIGURE "B". The other cover can not be detached. For the opening mode follow the instructions in step

Side to break



FIGURE B



REMOVABLE COVER
Tooth at the top with straight written



REMOVABLE COVER
Tooth at the bottom with straight written

Side as not to break with pre cutouts

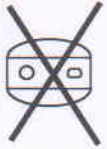


FIGURE A

3- CONNECTIONS, SET UP AND UNLOCK

3.1 CONNECTION FOR NOT SELF-POWERED VERSION WITHOUT START COMMAND (AVD FJ)

- 3.1.1 Connect the positive and the negative coming from the control panel to the relative clamps "+" and "-". The panel will be activated when on the inputs "+" and "-" a tension will be present +12V-
- 3.1.2 Execute wished the set up:

EXAMPLE:
fixe frequency sound: SW4 chiuso, SW5 chiuso.

3.2 CONNECTION FOR VERSION SELF-POWERED WITH START COMMAND (AVD FJ/A)

- 3.2.1 Connect the positive and the negative coming from the control panel to the relative clamps "+" and "-".
- 3.2.2 Connect to CM1 the female connector from battery.
- 3.2.3 Connect the start command coming from the control panel to the clamp "com"
- 3.2.3 Execute wished the set up:

EXAMPLE:

positive to miss start command and bruch frequency sound:
SW2 open, SW3 closed on 1-2, SW4 clopen, SW5 open.

3.3 CONNECTION FOR VERSION 230Vac SELF-POWERED WITH START COMMAND (AVD FJ/A/230)

- 3.3.1 Connect the main supply to the terminal block 230V into the 230V base.
- 3.3.2 Connect to CM1 the female connector from battery.
- 3.3.3 Connect the positive (red wire) and the negative (black wire) coming from AL500 electronic card to the terminal block "+" and "-" of AVD FJ electronic card.
- 3.3.4 Connect the start command coming from the control panel to the clamp "com" N.B. If the command is positive connect the GND coming from to the control panel to the GND of AVD FJ card. If the command is negative connect the positive coming from to the control panel to the positive of AVD FJ card.
- 3.3.5 Execute wished the set up

EXAMPLE:

Negative to give start command and bruch frequency sound:
SW2 closed, SW3 closed on 1-2, SW4 open, SW5 open.

3.4 POWER SUPPLY SELECTOR (SW7)

This selector must be open. It will be close only when the power supply is lower than 10V-.

When the panel works with the command, is necessary to enable it to the working, deactivate and activate again the start command to the clamp "com".