

Amplifier for DIN rail

F502

Description

This amplifier, fitted with hooking device for installation on DIN rail, is particularly suited for non residential applications, or in more general terms, where there are no space constraints inside distribution boards/switchboards. Directly powered by the power line voltage, the low level of current consumption on the BUS makes multiple installations possible (max. 40 amplifiers and 80 loudspeakers). Depending on its configuration, a stereo or a mono signal can be set on the output towards the loudspeakers. Loudspeakers with both 8 Ω and 16 Ω impedance may be connected to the amplifier. The device may be controlled using either its own keys, the TOUCH SCREEN, or special controls.

Technical data

BUS voltage:	18-27 Vdc
Power supply:	110-230 Vac (50 – 60 Hz)
Absorption on the BUS:	5 mA
Absorption on the line:	110 mA (at 110 Vac) – 56 mA (at 230 Vac)
Dissipated power:	2 W
Operating temperature:	5 - 45 °C
Power (on 8 Ω):	2 Wrms (1 Wrms+1 Wrms) 16 Wpmpo (8 Wpmpo+8 Wpmpo)
TYP channel balancing:	± 0.5 dB
MIN channel balancing:	± 1.5 dB
Frequency range @ -3 dB:	20 Hz–20 kHz (su 8 Ω)

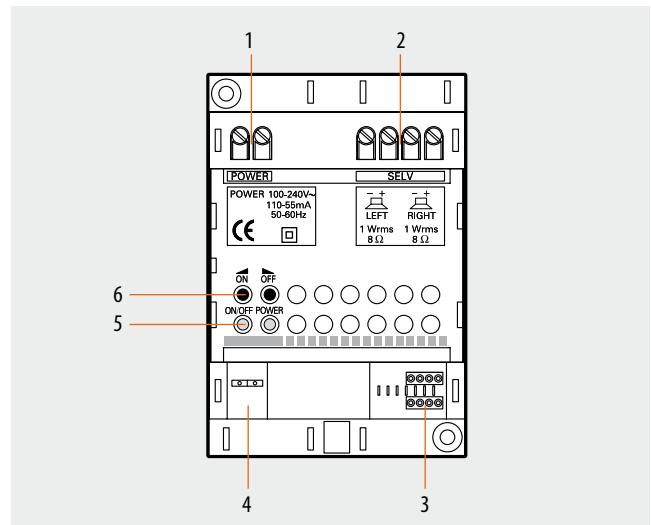
Dimensional data

Size: 4 DIN modules

Configuration

- A:** 1-9 address of the amplifier room
- PF:** 0-9 amplifier address
- M1*:** - (no configurator) volume level equal to 20% and "MUTE" mode: in this mode, when the video door entry system is being used the volume of the sound sources will be decreased
- 1 volume level equal to 20% but "MUTE" mode not available
 - 2 volume level equal to 50% and "MUTE" mode: in this mode, when the video door entry system is being used the volume of the sound sources will be decreased
 - 3 volume level equal to 50% but "MUTE" mode not available
 - 4 volume level equal to 100% and "MUTE" mode: in this mode, when the video door entry system is being used the volume of the sound sources will be decreased
 - 5 volume level equal to 100% but "MUTE" mode not available
- M2:** - (no configurator) when the amplifier is switched on, the last source which was on is activated, "FOLLOW ME" mode
- 1-4 when the amplifier is switched on, the source with the same configuration as that set on the device itself switches on (example amplifier with M2=2, in this case the source with S=2 will switch on), "NO FOLLOW ME" mode.
- M3** - (no configurator) working correctly
- 1 both the outputs reproduce the signal received on the LEFT channel
 - 2 both the outputs reproduce the signal received on the RIGHT channel
 - 3 the amplifier reproduces a monophonic signal on both the loudspeaker outputs

* this mode can only be activated when the Sound System is integrated with the 2-wire audio and video door entry system. This combination allows the "pager" function and the volume level is set via the configurators.



Legend

1. clamp for connection of the power supply
2. clamps for loudspeaker connection
3. configurator socket
4. removable clamp for BUS connection
5. the LED under "ON/OFF" indicates the amplifier state: if it is off there is no BUS, if it is green the device is in Stand-By, if it is orange the amplifier is on. The LED under "POWER" indicates: when off, no power line voltage is detected, if it is RED the amplifier is powered.
6. pushbuttons for local switching on or off of the amplifier (simple touch), and for volume adjustment (prolonged pressure).

