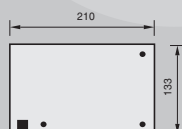


# SELECTION AND SWITCHING MODULES

## MS-L Series



The models MS-12L and MS-24L are supplied with All Call push-button, which selects all the outputs to channel "II" to facilitate emergency paging calls. These models are designed to allow loudspeaker lines switching and to allow zone activation externally.

They are provided with a selection card for every three zones, as well as with a general switching card that includes a stabilized power supply. Each one of these cards has a channel "I" and a channel "II" input, connected to the terminals corresponding to the general connection card. When more than one amplifier per channel is required, they can be connected directly on the switching cards. They have one contact for each selection control input, and three output contacts for each line (+, S, -C), to allow the connection of attenuators with security paging devices.

All the models are provided with an interdiction contact which, as it joins to the ground, cancels all selections made. In standby, the selected channel to each output is "Y", and it is advisable to use this channel for background music.

They have a stabilized 24 V.d.c. output to supply accessory elements.

Their modular design, based on three outputs cards, allows to configure the loudspeakers zones according to the installation size.

- The MS-12L model includes 4 cards C-612RAL of 3 zones (a total of 12 zones).
- The MS-24L model includes 8 cards C-612RAL of 3 zones (a total of 24 zones).
- The MS-L/0 is the empty frame which can admit up to 8 cards C-612RAL of 3 zones.

### MS-12L

### MS-24L

Power supply	230 V.a.c., 50 ÷ 60 Hz	
24 V source output intensity	1 A maximum (for accessory elements supply)	
Maximum power for zone (100 V)	500 W	
Number of zones	12	24
Push-buttons	13 (1 per zone and 1 All Call)	25 (1 per zone and 1 All Call)
Included cards	4 x C-612RAL	8 x C-612RAL
Cards channels	1 music amplifier and 1 pagings amplifier	
Maximum nº of music amplifiers	4	8
Maximum nº of pagings amplifiers	4	8
All call	Included	
Selection	By remote contact or front push-button switch-off	
Security pagings	Included, combined with AV series attenuators	
Rack units	3	
Dimensions (mm)	433 (width) x 133 (height) x 210 (depth)	
Weight	5.4 kg	6.6 kg

Mounting brackets included, MS-L/0 supplied without C-612RAL card.

### BLOCK DIAGRAM

