

3007600026

## FC740

10 W Internal Amplifier Module With Talk-Back Function



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## Description

FC740 is a 10 W amplifier unit for use with the Pro700 stations AA703, AA704, AA705 and BC735. The unit can be used as an amplifier w/talk back function or as a plain amplifier. It contains a printed circuit board NFE1832, a piggy-back card for mounting on top of the station pcb NFE1830.

The FC740 consists of three main parts, the power amplifier, the mic. amplifier and a power rectifier. FC740 is a piggy-back card, used together with AA703, AA704, AA705 and BC735, where an extra audio power output is necessary or if the talk back function is needed. It is possible to mute the power amplifier by pressing the key 1 on the station where FC740 is mounted. If strap JP2 is mounted, the amplifier cannot be muted. FC740 needs separate power 24 VAC or DC.

NOTE! If a station is equipped with the handset GD745 (off hook), no audio to or from the FC740 is available, only audio in GD745.

# Specifications

## GENERAL

Order number	FC740 10 W Amplifier with talk-back function
Voltage input range	12-32 VDC, 10 - 24 VAC
Current consumption at 24 VDC/24 VAC	Idle: 37 mA/48 mA rms Max output: 700 mA/1 A rms
Power consumption at 24 VDC/24 VAC	Idle: 0.9 W/1.15 W Max output: 16.8 W/ 24 W
Input power versus output power (sinus) into load 4 ohm	Power input: 12 VDC, 0,25 A (3 W) 15 VDC, 0,38 A (5,7 W) 18 VDC, 0,45 A (8,1 W) 24 VDC, 0,7 A (16,8 W) 24 VAC, 1 A (24 W)
	Power output: 1,2 W 2,7 W 4,6 W 9,3 W 14 W
	Power efficiency: 40% 47% 55% 55% 58%
Recommended transformer	NTA 1030 (24 VAC/2 A)
The output is short circuit protected and has thermal shutdown	
Sensitivity	250 mV rms input gives 14 W output into 4 ohm (24 VAC power input)
Frequency response, microphone amplifier	75 Hz - 10 kHz
Frequency response, power amplifier	100 Hz - 7.5 kHz
Dimensions (LxWxH)	95 x 89 x 28 mm, H: 37 mm (JP1 incl.)

ORDER NUMBER	DESCRIPTION	SHIP WEIGHT
3007600026	FC740 10 W Amplifier with talk-back function	0.095 kg/0.2 lbs.