



Features

- Up to four different external signals can be connected to the QIF-2011, each with an individual level adjustment.
 - Signal input 2 has a built-in attenuator to allow direct connection of 70VRMS or 25V RMS signal lines to the interface
 - Signal input 4 is for 0dB maximum background music only.
- Configuration will not interfere with the fire alarm/MNS audio system, even in the case of complete power failure of the QIF-2011.

Description

The QIF-2011 allows external audio signals to be sent over the paging channel of the Flex-Net.

Up to four different external signals can be connected to the QIF-2011, each with an individual level adjustment, with Signal 1 having the highest priority and signal 4 the lowest. Paging will have absolute priority over all external signals.

The QIF-2011 mounts on a CH-1063 adapter plate (included in the package) and connects to the ANC-5000 inside the Flex-Net enclosure.

The external signals are activated through a dry contact closure. If needed, both the audio and the control input wiring can be supervised for faults by setting the appropriate jumper.

When supervision is required, 3.9K Ohms end of line resistors can be connected to each control and audio signal line. Shielded pairs should be used for all audio signals.



S5434

Electrical Characteristics

ITEM	VALUE
Current Consumption	62mA @24VDC
Signal inputs normal voltage (Rx to Hx)	2.2V +- 10%
Control input normal voltage (Cx to Mx)	2.2V +- 10%
signal inputs open circuit detection voltage (Rx to Hx)	4.1V +- 10%
Control inputs open circuit detection voltage (Rx to Hx)	4.1V +- 10%
signal inputs short circuit detection voltage (Rx to Hx)	0.75V +- 10%
Control inputs short circuit detection voltage (Rx to Hx)	0.75V +- 10%
Recommended maximum voltage on low voltage inputs 1 to 4	0.775V RMS (0dB)
maximum voltage at high voltage signal input 2	70V RMS
maximum voltage at high voltage signal input 4	0.775V RMS (0dB)

LED and Potentiometer Identification Table

LEDs, POTs	Function
OK	Green LED indicating that interface is operational
CS	Yellow LED indicating short circuit detection on one of the signal lines. Troubles will be reported back to ANC-5000 and will be displayed as microphone troubles.
CO	Yellow LED indicating open-circuit detection on one of the signal lines (H1-R1 to H4-R4) or a fault on one of the control line (C1-M1 to C4-M4, type of fault reported depends on X1 to X4 jumper configuration). Troubles will be reported back to ANC-5000 and will be displayed as microphone troubles.
A1 to A4	Green LED indicating activation of external signals 1 to 4
P1 to P4	Potentiometer for adjusting level of inputs 1 to 4. Turn clockwise to increase gain.

Ordering Information

Model	Description
QIF-2011	Audio Signal Interface Module



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