

Conventional Network Board

Features

- Allows Conventional Panels to be networked with the AMPAC range of *FireFinder* and *LoopSense CP10* Fire Alarm Control Panels (FACP).
- Provides interfacing for: Alarm, Reset, Silence, Zone Out and DC Out.
- Compatible with industry standard wiring
- Four on Board status LED's
- RS485 Add-On module compatible

Description

The Conventional Network Board (CNB) provides a simple wired OR interface between AMPAC's Conventional **FireFinder** and **LoopSense CP10** Fire Alarm Control Panel (FACP) systems and existing Conventional Fire Systems.

The CNB is connected to the internal RS485 Add-On bus of the FACP panel. If there are multiple FACP panels to network a CNB is required for each panel (refer to figure 3). One FACP panel must be configured as the master panel, and all other are sub panels (achieved with **ConfigManager / LoopMaster**).

The signal lines provided by the Conventional Network board are:

ZONE OUT: The Zone output from each sub panel's CNB must be interfaced to a separate conventional zone input within the master FireFinder panel. When a sub panel goes into alarm this output will then signal the alarm at the master panel.

ALARM: Each CNB Alarm signal shall be connected together. This signal is asserted by the master panel when an alarm is present on the master panel or if the Evacuate button is pressed on any panel, master or sub within the network. This signal will cause all panels in the network to sound their locally connected alarm devices.

RESET: Each CNB Reset signal shall be connected together. When Reset is pressed on the master panel, the Network Reset signal is asserted and all panels will then clear their respective alarms. This will result in the Network Alarm signal being released. If the Reset is pressed on any of the sub panels only the alarms local to that sub panel are cleared.

SILENCE: Each CNB Silence signal shall be connected together. When Silence Alarms is pressed on the master or any sub panel, the Network Silence signal is asserted and all panels then silence their locally connected alarm devices.

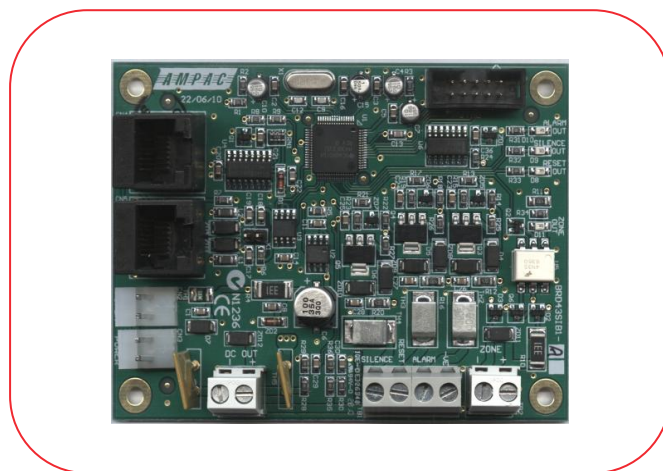


Figure 1: Conventional Network Board

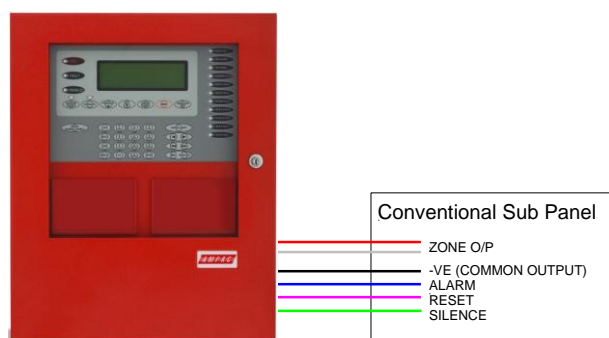


Figure 2: Conventional Network General Setup

Item Numbers

4310-0083 Conventional Network board

Specifications

Indicators	4 x Red (Alarm, Silence, Reset Zone Out)
Voltage	24Vdc
Quiescent Current:	9mA
DC Out	1A current limited (requires separate power cable to be fitted)
Field Cable Size	2.5mm ² MAX
Comms In/Out	RS485 via RJ45 connector
Max No Per Panel	1
Operating Temp.	-5°C - 55°C
Humidity	0 to 95% (Non condensing)
Dimensions	98.75 mm (L) x 72.5 mm (W)