Alarm Routing Equipment Interface (ARE)
Installation Sheet - Released

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DOC-03-062   ECN13-0026

1   Product Overview

The Alarm Routing Equipment (ARE) interface provides a method of connecting the Alarm Routing Equipment (Brigade Interface) to the Fire Panel. There are 6 outputs to the ARE and 3 feedback status inputs from the ARE.

2   Installation

⚠ **WARNING:** Remove all power sources to the panel before installation. Leave the external and main power OFF until installation is complete.

2.1   Mounting Options

1. Remove the existing blanking plate from the inner door.
2. Using the supplied screws fit the Alarm Signalling Equipment (ASE) the ARE Assembly.
3. The completed ARE Interface Assembly is mounted to the inner door using the flanged nuts. Once fitted the ASE device should be visible from the outside of the fire panel.
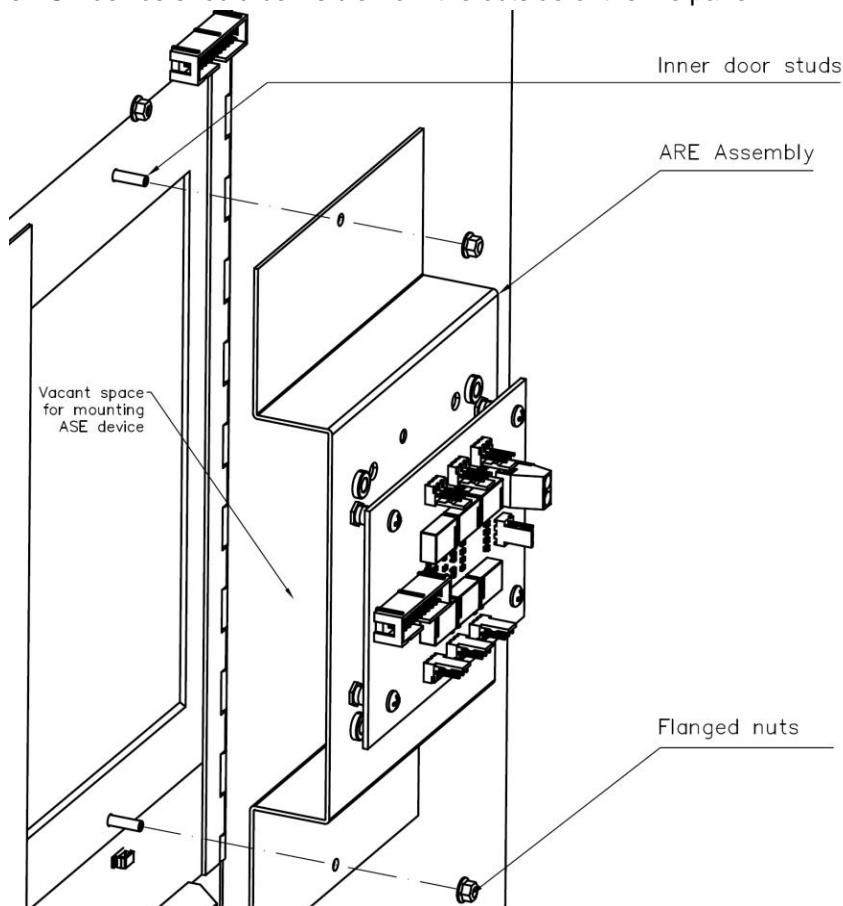

Figure 2-1 - Mounting ARE Interface Assembly to Inner Door

2.2 Connections

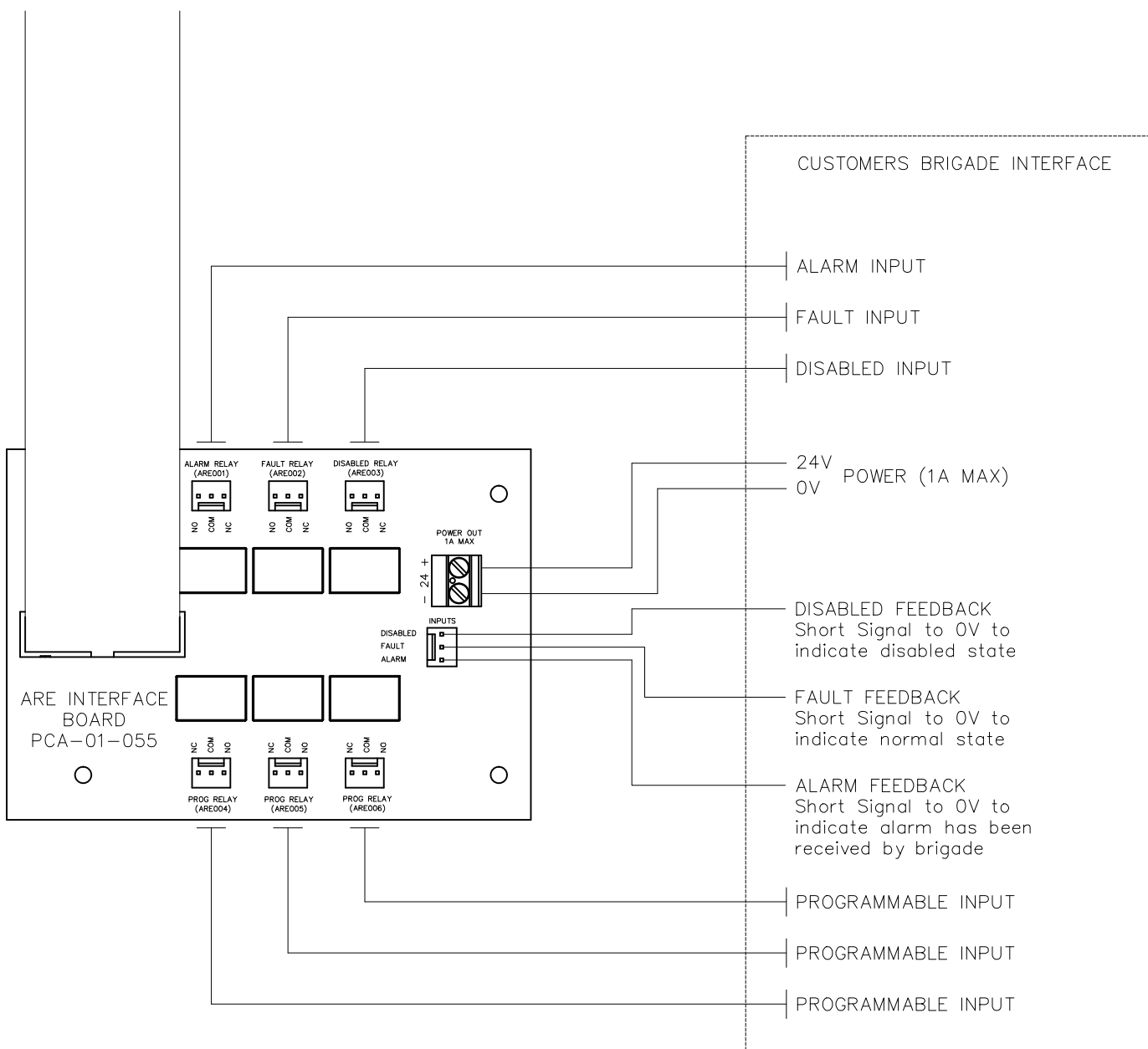To connect the ARE Interface refer to the schematic shown on page 3.

3 Supplemental Documentation

For Information on...	Refer to...	Doc No.
Programming the ARE	CFP-16 Manual (AUS)	DOC-01-022

Table 1: Supplemental Documentation

26—WAY
RIBBON CABLE
(to CFP—16
keypad Brigade
Interface)

CUSTOMERS BRIGADE INTERFACE

ALARM INPUT

FAULT INPUT

DISABLED INPUT

24V POWER (1A MAX)
0V

DISABLED FEEDBACK
Short Signal to 0V to
indicate disabled state

FAULT FEEDBACK
Short Signal to 0V to
indicate normal state

ALARM FEEDBACK
Short Signal to 0V to
indicate alarm has been
received by brigade

PROGRAMMABLE INPUT

PROGRAMMABLE INPUT

PROGRAMMABLE INPUT

ALARM RELAY
(ARE001)
NO COM NC

FAULT RELAY
(ARE002)
NO COM NC

DISABLED RELAY
(ARE003)
NO COM NC

POWER OUT
1A MAX
— 24 +

INPUTS
DISABLED
FAULT
ALARM

ARE INTERFACE
BOARD
PCA—01—055

NC COM NO
PROG RELAY
(ARE004)

NC COM NO
PROG RELAY
(ARE005)

NC COM NO
PROG RELAY
(ARE006)

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TITLE:
ARE SCHEMATIC
TO SUIT CFP—16

SYSTEM:
CFP—16

SHEET 1 OF 1 | NOT TO SCALE
DWG No:DWG0926 | SIZE A2