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ASY-02-022 - ACM-8RA Installation Sheet - Released

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DOC-03-052 ECN11-0021

1 Product Overview

This Installation sheet describes how to install an ACM-8RA (#PCA-01-052) to a Notifier Fire Panel. The ACM-8RA permits the connection of additional relay outputs to the Fire Panel.

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

1. Set ACM-8RA address with the address wheels on the card.
2. Fix the supplied ACM-8RA spacers (#GEN-01-002) to the CHS bracket (Figure 2-1 – Mounting ACM-8RA).
3. Position the ACM-8RA to the slot at the bottom of the CHS Bracket (Figure 2-1 – Mounting ACM-8RA).

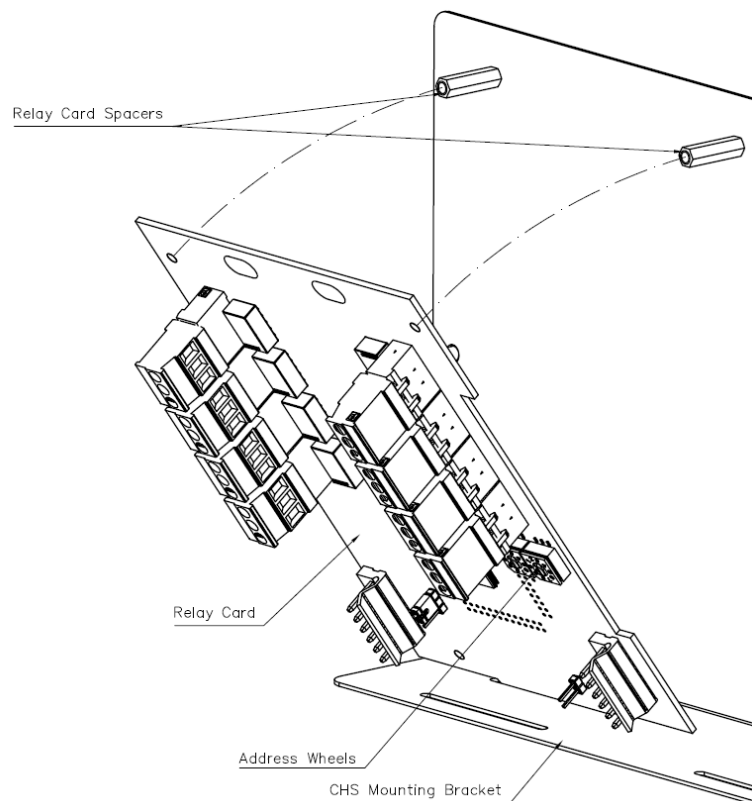


Figure 2-1 – Mounting ACM-8RA

4. Rotate the ACM-8RA so that the mounting holes align with the spacers (Figure 2-1 – Mounting ACM-8RA).
5. Secure the ACM-8RA to the CHS bracket using screws (#GEN-01-001) (Figure 2-2 – Securing ACM-8RA).

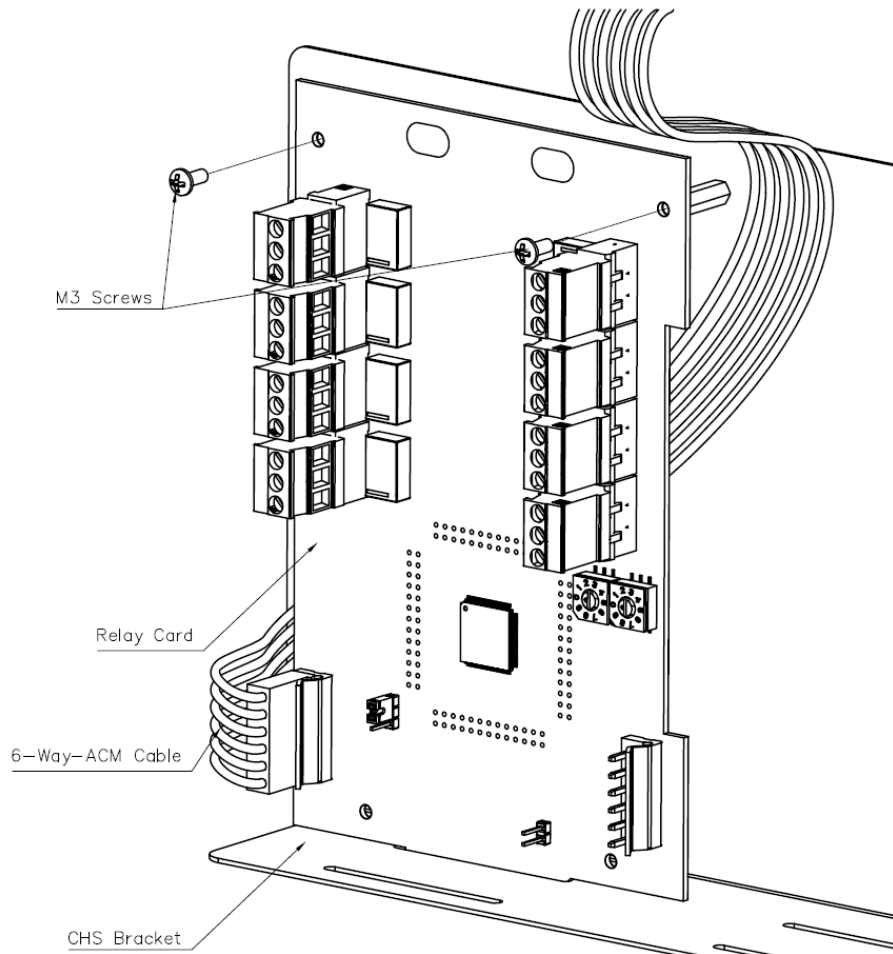


Figure 2-2 – Securing ACM-8RA

6. To connect the ACM-8RA to the ACM socket the ACM cable (#CA-01-020) we recommend that the ACM cable is passed behind the Relay Card and connected to the ACM header on the left hand side, as shown in Figure 2-2 – Securing ACM-8RA .
7. Set the RS-485 terminator to 'ON' if this is the last device on the RS-485 communications line. If it is not, set it to 'OFF'.

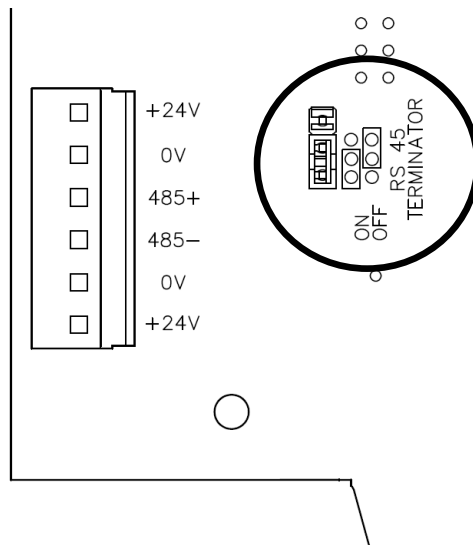


Figure 2-3 - Setting Relay Card Jumper

2.2 Connecting Multiple ACM-8RA

1. Connect the first and second Relay Cards with the shorter 6-Way ACM cable (#CA-01-022) and connection diagram below.
2. Set the RS-485 terminator to 'ON' if this is the last device on the RS-485 communications line. If it is not, set it to 'OFF'.

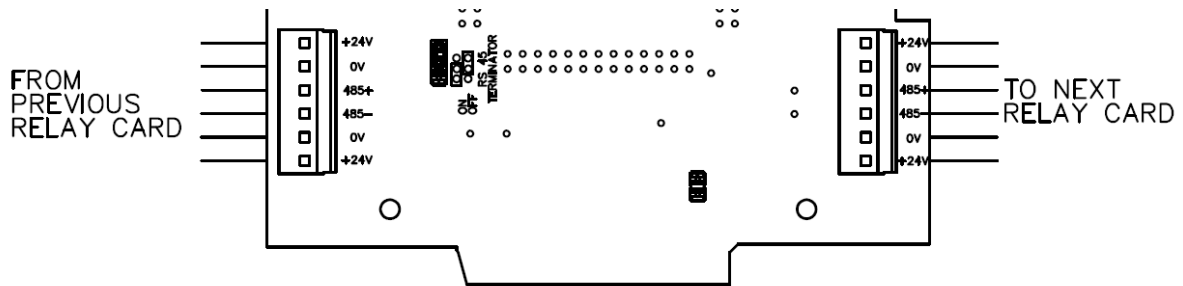


Figure 2-4 - Relay card Connections

2.3 Programming with CFP-16

1. Power up the fire Panel.
2. Select an ACS address point.
3. Set the Relay Card as the Module type for that address point.
4. Set the Relay Card Outputs to the required settings.



NOTE: The ACM-8RA address in the panel must match that address on the ACM-8RA address wheels.

3 Fault Codes

Fault Description	LED Indications (fault cycle is every 2 seconds)	Resolution
Communications with the fire panel failed	Flash once per fault cycle	Check wiring between panel and ACM. Check Module is programmed to the correct address.
Address is set out of the range of 1-32	Flash twice per fault cycle	Set module address.
Hardware Fault	Flash three times per fault cycle	Contact Notifier Tech Support.
Firmware CRC check failed.	Flash four times per fault cycle	Contact Notifier Tech Support.

Table 1: Supplemental Documentation

4 Components

Part No.	Description	Qty
PCA-01-052	ACM-8RA (Relay Card)	1
DOC-03-052	ACM-8RA Product Installation Sheet (this document)	1
CA-01-020	ACM Cable-Assembly, 6 Way X 1000mm	1
CA-01-022	ACM Cable-Assembly, 6 Way X 100mm	1
GEN-01-001	#4-40 x 5/16" SEMS Phillips Pan Head Screws	2
GEN-01-002	#4-40 x 3/4" UNC Threaded Spacer – Female – Female	2

Table 2: Components

5 Supplemental Documentation

For Information on...	Refer to...	Doc No.
Configuring the ACM-8RA	CFP-16 Manual (AUS)	DOC-01-022
Configuring the ACM-8RA	CFP-16 Manual (NZ)	DOC-01-023

Table 3: Supplemental Documentation