Features

- Isolated
- Dedicated Central Processor Unit (CPU) per module
- Expands system capacity to 636 addressable devices on 2 loops, 159/159 per loop
- With the addition of the ALCN-792D this expands module an additional 2 loops bringing module capacity to 1272 addressable devices.

ALCN-792MISO

Description

The ALCN-792MISO Isolated Quad Loop Adder Module provides two addressable loops plus an additional two loops as part of the daughter board ALCN-792D which is mounted over the ALCN-792MISO. The quad loop adder module provides Signaling Line Circuits (SLC) to the Flex-Net Addressable Fire Alarm system consisting of 159 Sensors and 159 Addressable Modules per loop.
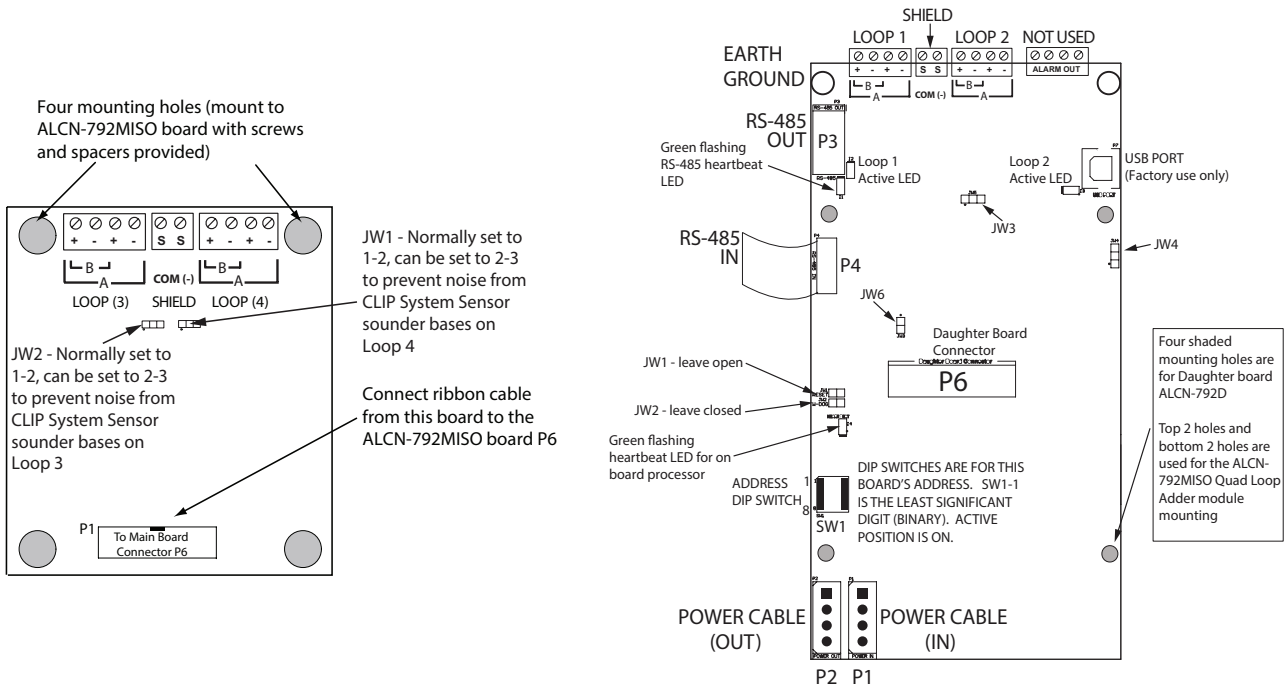
Each ALCN-792MISO Loop Controller Module has a dedicated Central Processor Unit (CPU) and will support two fully loaded SLC lines which will provide up to 318 addressable devices per SLC line, for a total of up to 636 addressable devices per ALCN-792MISO Quad Loop Controller module.

The ALCN-792MISO occupies one module space on any FleX-Net FX-2000N Series control panel chassis

The ALCN-792D daughter board provides two additional SLC lines for up to 318 addressable devices per SLC line, for a total of up to 1,272 addressable devices per combination ALCN-792MISO with ALCN-792D.

S7010   S7010

CATALOG NUMBER 5948

Wiring Diagram

Four mounting holes (mount to ALCN-792MISO board with screws and spacers provided)

JW1 - Normally set to 1-2, can be set to 2-3 to prevent noise from CLIP System Sensor sounder bases on Loop 4

JW2 - Normally set to 1-2, can be set to 2-3 to prevent noise from CLIP System Sensor sounder bases on Loop 3

Connect ribbon cable from this board to the ALCN-792MISO board P6

LOOP (3)   SHIELD   LOOP (4)

P1   To Main Board Connector P6

SHIELD

EARTH GROUND

LOOP 1   LOOP 2   NOT USED

ALARM OUT

RS-485 OUT   P3

Green flashing RS-485 heartbeat LED

Loop 1 Active LED

Loop 2 Active LED

USB PORT (Factory use only)

JW3

JW4

RS-485 IN   P4

JW6

JW1 - leave open

JW2 - leave closed

Green flashing heartbeat LED for on board processor

Daughter Board Connector

P6

Four shaded mounting holes are for Daughter board ALCN-792D

Top 2 holes and bottom 2 holes are used for the ALCN-792MISO Quad Loop Adder module mounting

ADDRESS DIP SWITCH   1   8   SW1

DIP SWITCHES ARE FOR THIS BOARD'S ADDRESS. SW1-1 IS THE LEAST SIGNIFICANT DIGIT (BINARY). ACTIVE POSITION IS ON.

POWER CABLE (OUT)   POWER CABLE (IN)

P2   P1

ALCN-792MISO with ALCN-792D Electrical Specifications

Power Limited:	24VDC, 400mA max, 10kHz frequency Max loop resistance: 40 ohms
Current Consumption:	Standby: 200mA Alarm: 213 mA

Notes for ALCN-792MISO :

All circuits are power limited and must use type FPL, FPLR, or FPLP power limited cable.
Loop wiring: maximum loop resistance is 40 ohms total. These lines are power limited and fully supervised.

Refer to wiring instructions in the Network Fire Alarm Manual

Ordering Information

Model	Description
ALCN-792MISO	Isolated Quad Loop Adder Module
ALCN-792D	Daughter Board

NOT TO BE USED FOR INSTALLATION PURPOSES.

Distributed by:

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Rev.0