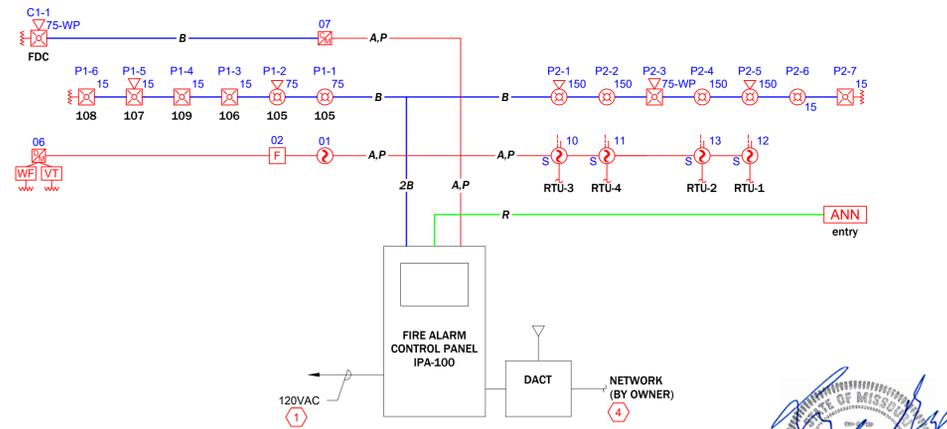


1 Floor Plan - Fire Alarm System
 SCALE: NTS
 SCALE: 1/8" = 1'-0"



2 RISER DIAGRAM
 SCALE: NONE

FIRE ALARM SYMBOLS LEGEND	
SYMBOL	DESCRIPTION
[FACP]	POTTER IPA-100 FIRE ALARM PANEL MOUNT AS SHOWN ON SHEET FA-4 BACK BOX: INCLUDED
[ANN]	POTTER RA-6500FB REMOTE ANNUNCIATOR MOUNT AS SHOWN ON SHEET FA-4 BACK BOX: BACKBOX INCLUDED
[F]	POTTER PAD100-PSDA ADDRESSABLE MANUAL PULL STATION SEE FA GENERAL NOTE 8 FOR MOUNTING HEIGHT BACK BOX: SINGLE GANG 1.875" DEEP MIN
[RTS]	POTTER PAD100-DIM ADDR. DUAL MONITOR MODULE MOUNT AS INDICATED ON PRINT BACK BOX: 4" SQUARE x 2-1/8" DEEP
[RTU]	POTTER PAD100-RM ADDRESSABLE RELAY MODULE MOUNT WITHIN 3' OF DEVICE CONTROLLED. BACK BOX: 4" SQUARE x 2-1/8" DEEP
[RTU]	POTTER PAD100-NAC ADDRESSABLE CONTROL MODULE MOUNT AS INDICATED ON PRINT BACK BOX: 4" SQUARE x 2-1/8" DEEP
[RTU]	POTTER PAD200-PD ADDRESSABLE SMOKE DETECTOR, PHOTO MOUNT AS INDICATED ON PRINT BACK BOX: 4" SQUARE OR 3.5" OCTAGONAL x 1-1/2" DEEP
[RTU]	POTTER PAD100-DUCTR DUCT SMOKE DETECTOR w/RELAY MOUNT AS INDICATED ON PRINT BACK BOX: N/A
[RTS]	POTTER PAD100-DRTS REMOTE ALARM/TEST STATION MOUNT ON CEILING OR WALL, COLUMN AT 72" A.F.F. BACK BOX: SINGLE GANG
[RTS]	SYSTEM SENSOR PC2WL HORN/STROBE, CLNG MOUNT, WHITE MOUNT ON CEILING OR BOTTOM OF STRUCTURAL STEEL BACK BOX: SINGLE GANG x 1.875" DEEP MIN.
[RTS]	SYSTEM SENSOR SCWL STROBE, CEILING MOUNT, WHITE MOUNT ON CEILING OR BOTTOM OF STRUCTURAL STEEL BACK BOX: SINGLE GANG x 1.875" DEEP MIN.
[RTS]	SYSTEM SENSOR P2WL HORN/STROBE, WALL MOUNT, WHITE FOR MOUNTING HEIGHT SEE FA GENERAL NOTE 9. BACK BOX: SINGLE GANG x 1.875" DEEP MIN.
[RTS]	SYSTEM SENSOR SWL STROBE, WALL MOUNT, WHITE FOR MOUNTING HEIGHT SEE FA GENERAL NOTE 9. BACK BOX: SINGLE GANG x 1.875" DEEP MIN.
[RTS]	SYSTEM SENSOR P2WK HORN/STROBE, OUTDOOR MOUNT DIRECTLY ABOVE FDC AT 8'-10" A.F.G. BACK BOX: PLASTIC BACKBOX INCLUDED WITH DEVICE

FIRE ALARM WIRE LEGEND	
TAG	DESCRIPTION
A	SIGNALING LINE CIRCUIT (SLC) (2C) 18AWG SOLID, TWISTED, JACKETED CABLE, FPLP
B	NOTIFICATION APPLIANCE CIRCUIT (NAC) (2C) 14AWG SOLID, TWISTED, JACKETED CABLE, FPLP
C	REMOTE TEST/INDICATOR CIRCUIT (4C) 18AWG SOLID, TWISTED, JACKETED CABLE, FPLP
P	AUX. POWER FOR DUCT DETECTORS (2C) 14AWG SOLID, TWISTED, JACKETED CABLE, FPLP
R	P-LINK COMMUNICATION & POWER (4C) 18AWG SOLID, TWISTED, JACKETED CABLE, FPLP

KEYED NOTES		DWG SHEET # FA-2
KEY #	NOTE TEXT	
1	ELECTRICAL CONTRACTOR TO PROVIDE DEDICATED 120 VAC POWER CIRCUIT TO FIRE ALARM PANEL. RECORD CIRCUIT NUMBER ON PANELBOARD LEGEND AND INSIDE OF FACP DOOR.	
2	MOUNT RTS REMOTE DUCT DETECTOR ALARM INDICATOR ON STEEL COLUMN OR NEAREST AVAILABLE WALL SURFACE. COORDINATE EXACT LOCATION WITH OWNER.	
3	EXTERIOR NOTIFICATION DEVICE LOCATED DIRECTLY ABOVE FIRE DEPARTMENT SIAMESE CONNECTION (FDC) AT 8' TO 10' A.F.G. DEVICE PROGRAMMED TO ACTIVATE ON SPRINKLER WATERFLOW IN ACCORDANCE WITH I/O MATRIX ON SHEET FA-1. SEE DETAIL ON FA-3 FOR SOUNDER SETTINGS.	
4	OWNER TO PROVIDE I/P CONNECTION FOR DACT IF DESIRED FOR PRIMARY OR BACKUP COMMUNICATION CHANNEL TO CENTRAL STATION MONITORING SERVICE.	
5	EXTERIOR HORN/STROBE NOT FOR FDC APPLICATION. DEVICE SHALL OPERATE ON GENERAL ALARM AND MOUNT AT NORMAL NOTIFICATION APPLIANCE HEIGHT.	



MIDWEST ALARM SERVICES
 9745 Widmer, Lenexa, KS 66215
 (913) 677-3771 FAX (913) 677-3772

REVISION DESCRIPTION

NO.	DATE	DESCRIPTION
1	04.04.23	Added notification device at front door per Engineer
2	04.07.23	Revised per A&E comments, removed pull stations

DRAWN BY:

D.LANE

DATE:

03.23.23

DESIGNED BY:

JM

DATE:

03.21.23

APPROVED BY:

DATE:

04.11.2023

PROJECT NUMBER:

330323030947

SHEET TITLE:

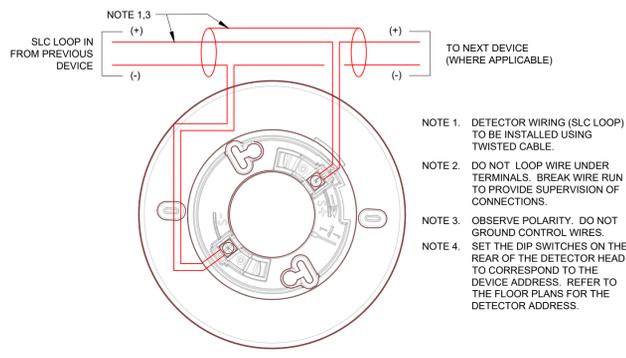
FIRE ALARM SYSTEM Floor Plan

SHEET NUMBER:

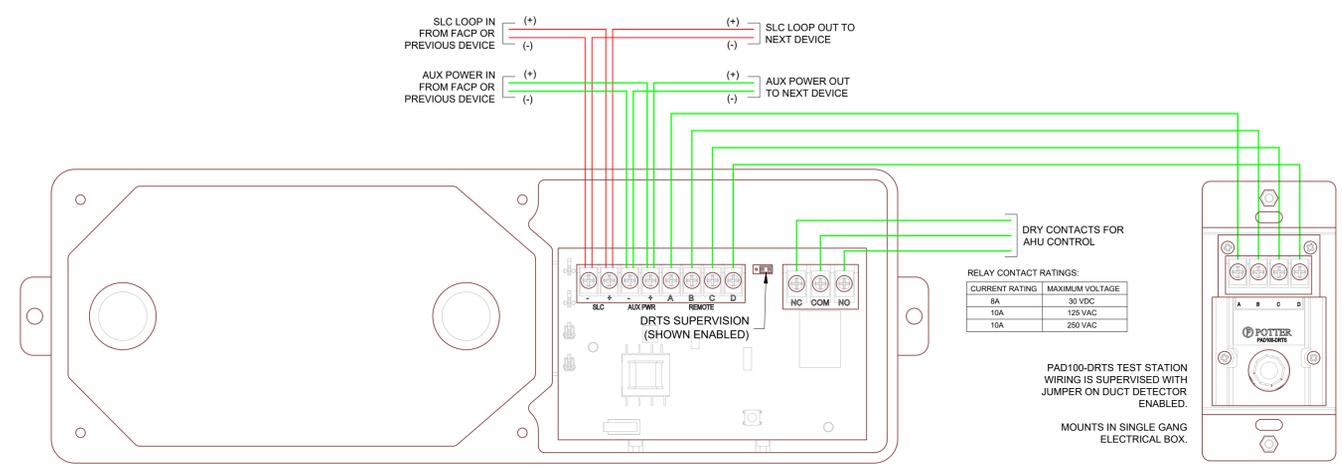
FA-2

2 of 4

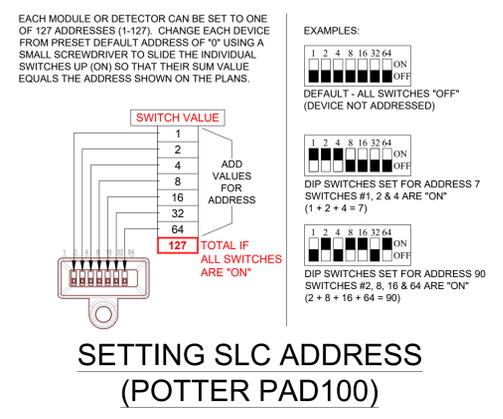
WESTLAKE ACE HARDWARE
 3511 SW MARKET STREET, LEE'S SUMMIT, MO 64082
 prepared for: Bart's Electric
 7103 Stewart Road, Pleasant Valley, MO 64068



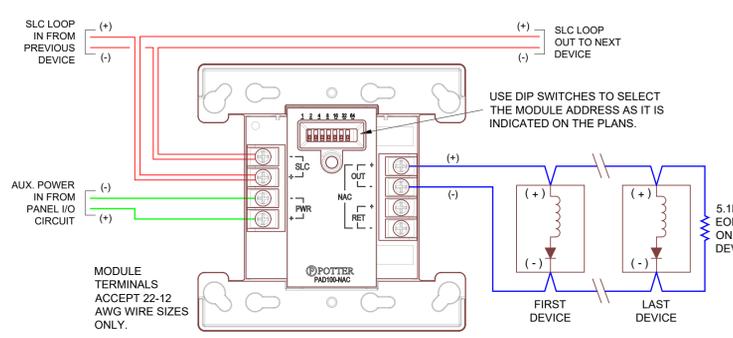
PAD100-6DB DETECTOR BASE DETAIL



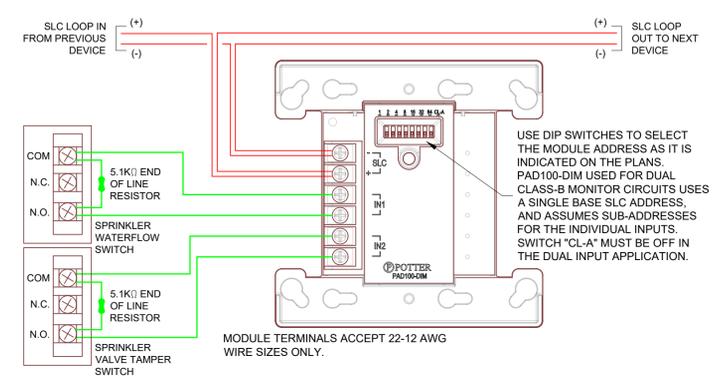
PAD100-DUCTR DUCT DETECTOR HOUSING WITH REMOTE TEST STATION



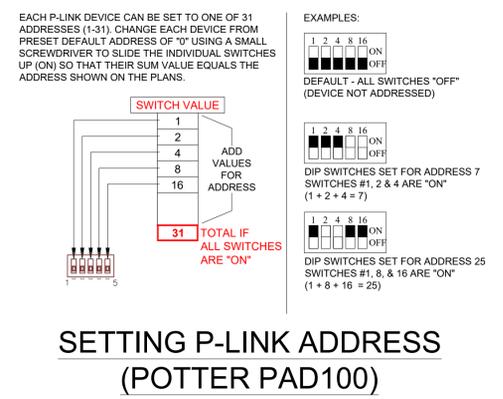
SETTING SLC ADDRESS (POTTER PAD100)



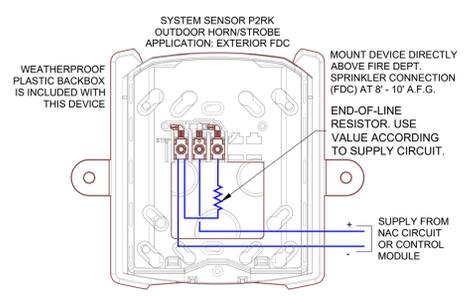
PAD100-NAC CONTROL MODULE DETAIL



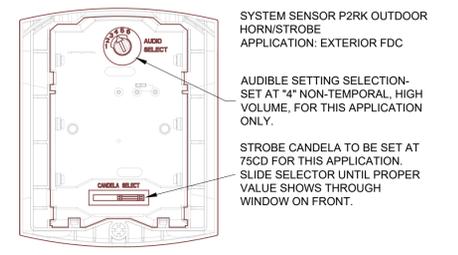
PAD100-DIM DUAL MONITOR MODULE DETAIL



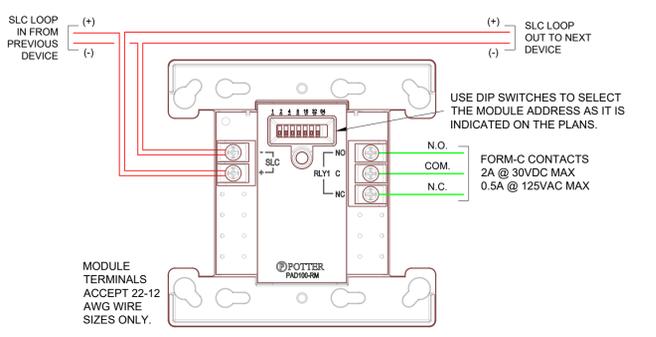
SETTING P-LINK ADDRESS (POTTER PAD100)



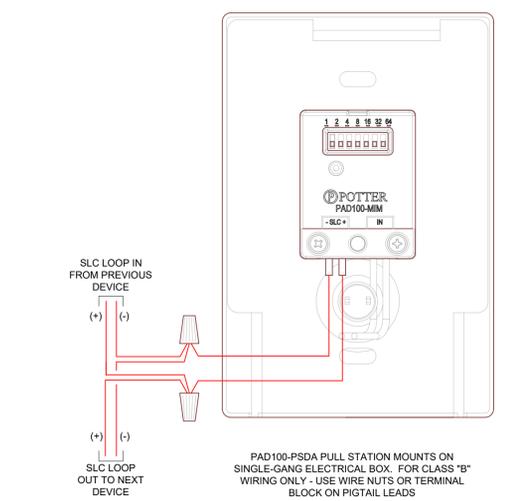
SYSTEM SENSOR P2RK OUTDOOR HORN / STROBE



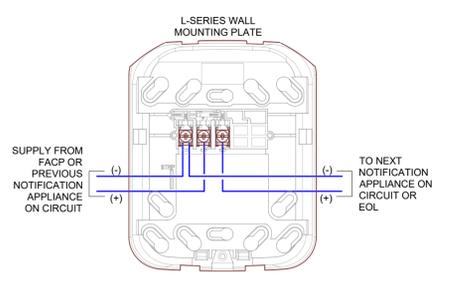
P2RK OUTDOOR HORN / STROBE CANDELA & AUDIBLE SETTINGS



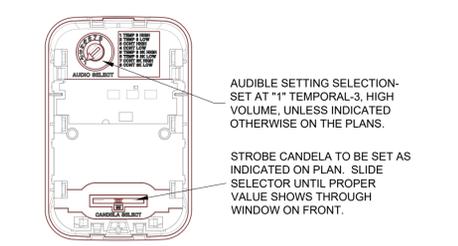
PAD100-RM RELAY MODULE DETAIL



PAD100-PSDA WIRING DETAIL



SYSTEM SENSOR L-SERIES HORN / STROBE & STROBE



L-SERIES HORN / STROBE CANDELA & AUDIBLE SETTINGS



MIDWEST ALARM SERVICES
9745 Widmer, Lenexa, KS 66215
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WESTLAKE ACE HARDWARE
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REVISION DESCRIPTION	DATE	NO.

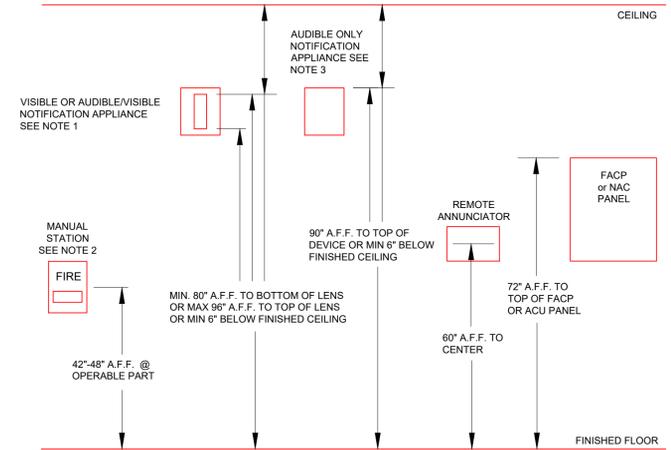
PROJECT NUMBER: 330323030947
SHEET TITLE: FIRE ALARM SYSTEM Device Details
SHEET NUMBER: FA-3
3 of 4

NO.	DATE	REVISION DESCRIPTION

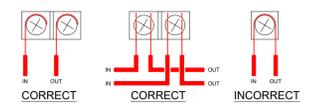
WESTLAKE ACE HARDWARE
 3511 SW MARKET STREET, LEE'S SUMMIT, MO 64082
 prepared for: Bart's Electric
 7103 Stewart Road, Pleasant Valley, MO 64068

DRAWN BY:	DATE:
D.LANE	03.23.23
DESIGNED BY:	DATE:
JM	03.21.23
APPROVED BY:	DATE:
PROJECT NUMBER:	330323030947
SHEET TITLE:	FIRE ALARM SYSTEM Panel Details & Mounting Details
SHEET NUMBER:	FA-4

- NOTES:
- VISIBLE OR AUDIBLE/VISIBLE APPLIANCES SHALL BE MOUNTED SO THAT THE ENTIRE LENS IS NOT LESS THAN 80" A.F.F. OR GREATER THAN 96" A.F.F. WHERE LOW CEILING HEIGHTS PREVENT ABOVE, MOUNT AT 6" BELOW CEILING TO TOP OF LENS. FOR CORRIDORS 20' OR LESS WIDE, MOUNT VISUAL APPLIANCES NO MORE THAN 15" FROM END OF CORRIDOR WITH NO MORE THAN 100' SEPARATION BETWEEN VISUAL APPLIANCES. MAXIMUM CORRIDOR LENGTH COVERED BY A SINGLE 150' STROBE SHALL NOT EXCEED 30'.
 - MOUNT MANUAL STATIONS WITHIN 5' OF EXIT DOORWAY OPENING.
 - AUDIBLE ONLY APPLIANCES SHALL BE MOUNTED SO THAT THE TOP OF DEVICE IS NOT LESS THAN 90" A.F.F. IF CEILING PERMITS AND A MINIMUM 6" FROM CEILING.

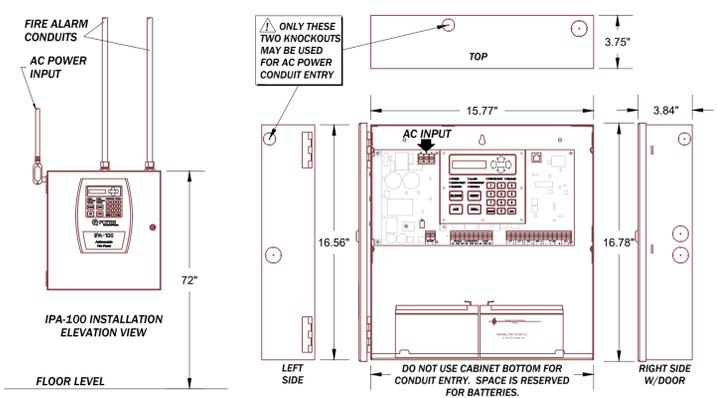
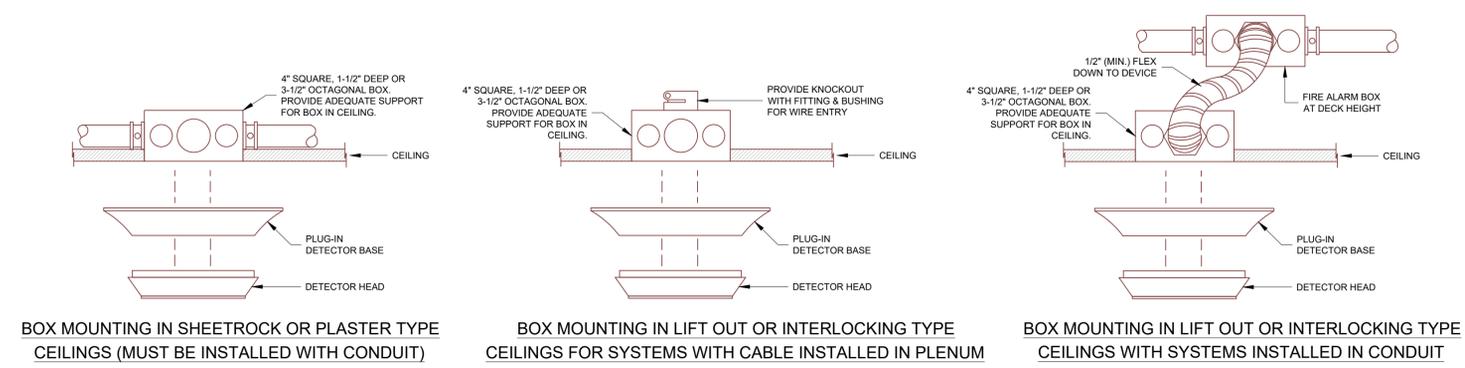


INSTALLATION HEIGHTS FOR WALL MOUNTED DEVICES

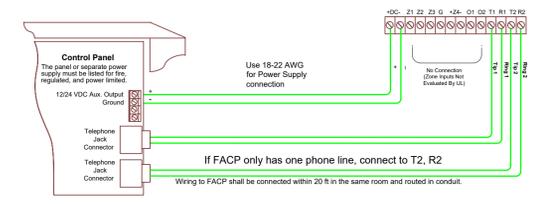


WIRING METHODS

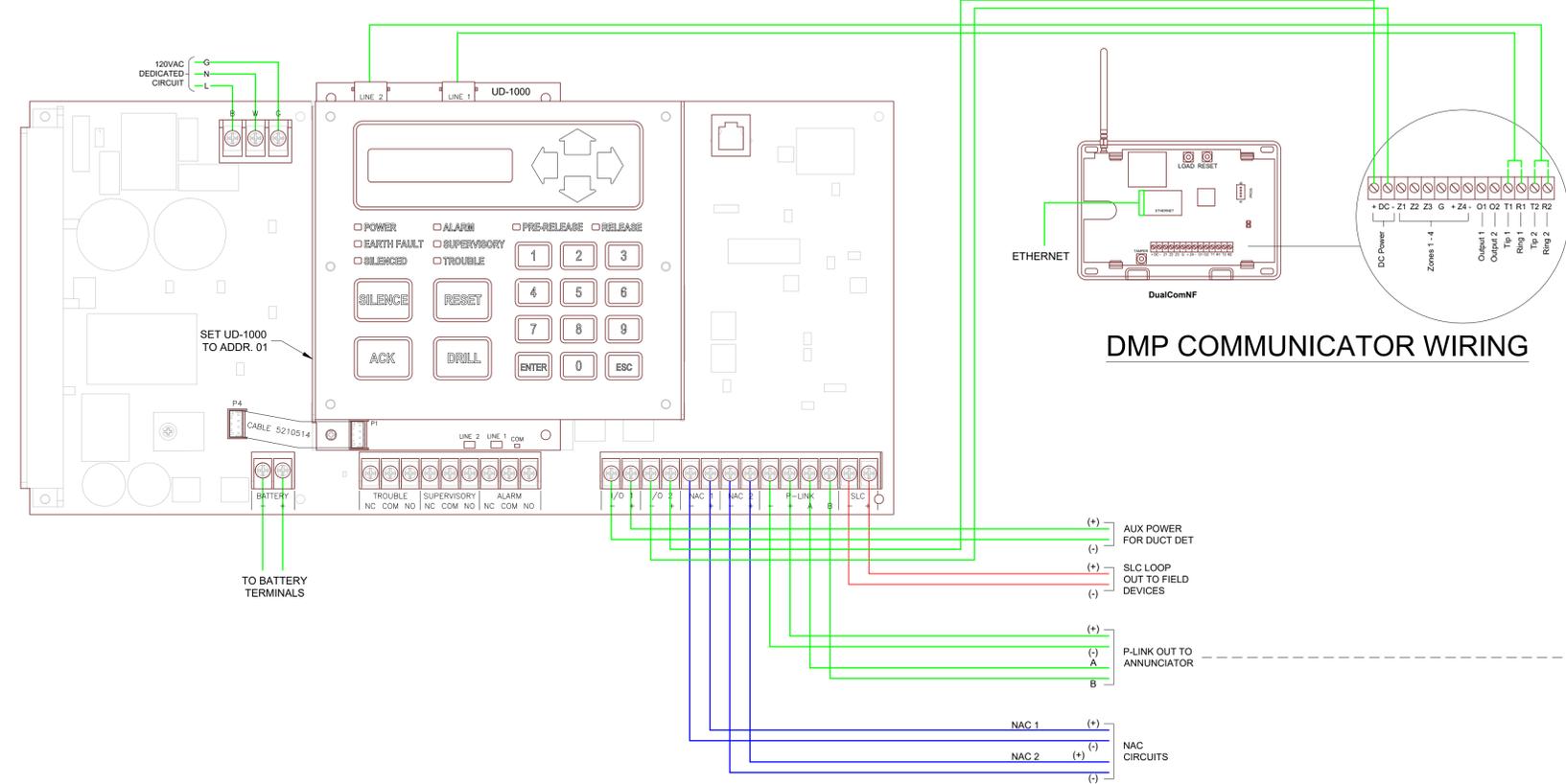
WIRING MUST BE BROKEN AT DEVICE CONNECTION POINTS AS SHOWN TO INSURE MONITORING OF CIRCUIT INTEGRITY.



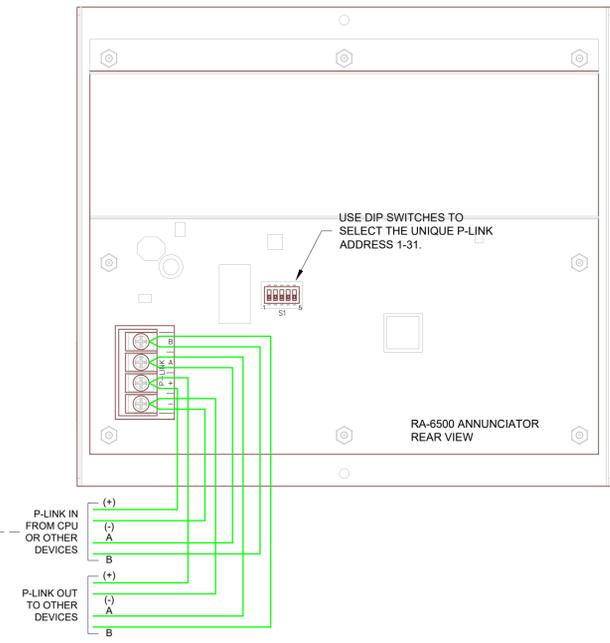
IPA-100 FIRE ALARM PANEL MOUNTING



DMP COMMUNICATOR WIRING



IPA-100 w/UD-1000 WIRING DETAIL



RA-6500 ANNUNCIATOR WIRING DETAIL

