

GENERAL NOTES

- ALL Fire Alarm System wiring shall comply with the National Electrical Code, Applicable State and Local Fire and Safety Codes, as well as being coordinated with the Local Authority
- Having Jurisdiction, 2. CAUTION: <u>DO NOT</u> connect any power to control panel (batteries or 120 vac) until all other field wiring is tested
- and connected. 3. <u>DO NOT</u> install F.A.C.P. or smoke detectors in any unheated area.
- 4, <u>DO NOT</u> install any A.C. current carrying
- conductors close to or in the same raceway with fire alarm system conductors. 5. Dotted lines indicate factory wiring.
- Solid lines indicate connections to be made by the installer. 6. See Installation Manual
- for additional wiring instructions.
- 7. All relays are shown in normal supervisory condition. All relay dry contacts 28 VDC @ 1A DNLY.
- 8. FACP Indicating circuit outputs are 1.7 amps at 24 VDC per circuit INX/10A circuit outputs are 2.5 amps. each. Not to exceed 10 amps total.

9. Cabinet Dimensions:

NDDE 1 (BBX-FXMNS) - L 61.5000" W 20.0000" D 9.0000" INX-10A - L 20.0000° W 14.5000° D 4.5000° FX-LDCR - L 25.0000° W 15.0000° D 5.5000°

SPECIAL FUNCTIONS

All Wiring To Be Class A. ||Existing Strobes Are Not Synchronized & Will Not| Be Synchronized With New Devices.

<u>LEGEND</u>

4 F Addressable Manual Pull Station

25 (**?**) Analog Photoelectric Smoke Detector

An Auxiliary Relay

Addressable Relay Module

Addressable Monitor Module

Speaker Strobe

15 Candela

30 Candela 75 75 Candela

110 110 Candela

Ground

FREE OF ALL DEFECTS.

WIRING SPECIFICATIONS

DATA/SLC- 16 AWG MIN 12AWG MAX. TWISTE

CABLÉ. SHIELDED CABLE NOT ACCEPTED. - ZONE/IDC- 16 AWG MIN 12AWG MAX. SIGNAL/NAC- 16AWG MIN 12AWG MAX

WARNING

NOTICE

POWER- 16AWG MIN 12AWG MAX SPEAKER- 16AWG MIN. 12AWG MAX. TWISTED SHIELDED CABLE, SHIELDS MUST BE CONNECTED AT EACH TERMINATION POINT AND TAPED TO ISOLATE FROM GROUND. GROUND CONNECTION TO BE MADE AT VOICE

> ANNUNCIATOR DATA- 16AWG MIN. 12AWG MAX. TWISTED SHIELDED CABLE. POWER LIMITED AND NON POWER LIMITED CABLE CAN NOT BE RUN THROUGH

NOTES

THE SAME RACEWAY.

PANEL ONLY.

- 1) Must be grounded to a driven ground rod or the cold water pipe on the street side of the main shut off valve.
- 2 No AC voltage on any terminal other than those specified.
- Maximum line resistance is 40 Ohms, maximum line capacitance is 0.5 micro-farad
- 4 Existing Notification Devices Device Type & Quantity Unknown.
- 5 Existing Initating Devices. Device type & Quantity Unknown.
- (6) Existing Voice Devices Device type & Quantity Unknown.
- To Elevator Controller, Recall Elevator To Primary Floor. Component must be installed within 3' of the controlled device.
- To Elevator Controller, Recall Elevator To Alternate Floor. Component must be installed within 3' of the controlled device.
- To Elevator Controller, Firemans Hat Warning Light. Component must be installed within 3' of the controlled device.
- To Elevator Shunt Trip Breaker. Component must be installed within 3' of the controlled device.

SIGNAL CIRCUITS

CKT #	TOTAL LOAD	CAPACITY %
NAC ₃ CKT 1	1.3900	56%
NAC ₃ CKT 2	1.6000	64%
NAC ₃ CKT 3	0.9000	36%
NAC ₃ CKT 4	SPARE	0%
NAC CKT 5	CDADE	0.7

NAC3 CKT 5 | SPARE | WIRE SIZE TO BE DETERMINED BY INSTALLING CONTRACTOR IN FIELD. ALL SYSTEM WIRING SHALL BE 16AWG

MIN. AND 12AWG MAX.

Existing System is 70 VAC. New Speaker devices are 25 VAC. As a rule of thumb, speaker taps should be set according to strobe candella ratings. 15cd = 1/4 watt, 30cd = 1/2 watt, 75cd = 1 watt,

& 110cd = 2 watts. Individual speakers that do not have a strobe are generally set to 1/4 watt.

Ambient conditions in building may require further adjustments to meet the required decibel level.



Mammoth Fire Alarms 1-800-995-9808

Lowell, MA 01854-3126

Lowell, MA 01854-3126 Property Protection Monitoring

Lowell, MA 01854-3126

Scale: None :: Approved By: :: Drawn By: MAD Date: 3/20/15 | Mike K 3/20/15 | Revised:

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