Reviewed for Code Compliance
Inspections Division
Portland, Maine
Date: 12/08/17

TYPICAL WIRING OF AN M500MAP
TO MONITOR A N/O DEVICE

A 4" SQUARE OR A 2 GANG BOX
3 1/2" DEEP IS REQUIRED FOR MOUNTING

TYPICAL WIRING OF M501MAP
TO MONITOR A CARBON MONOXIDE DETECTOR

MS-710APU
MANUAL PULL STATION

1 GANG BOX
3 1/2" DEEP IS
REQUIRED FOR MOUNTING

PANEL AUTOMATICALLY ADDS 100 TO ALL MONITOR ADDRESSES FOR DIFFERENTIATION BETWEEN SENSORS AND MONITORS.

TYPICAL WIRING OF
B210LP DETECTOR BASES

A 4" SQUARE BOX W/WO PLASTER RING,
3 1/2" OCTAGON OR 1 GANG BOX 1 1/2" DEEP MIN.
IS REQUIRED FOR MOUNTING

NOTICE

Ground terminal must be connected to Earth Ground per Article 760 of the National Electric Code. Failure to make a proper Earth Ground connection to a metal cold water pipe or a driven Ground Rod to this terminal will result in loss of Lightning protection, reduce the tolerance of the system to transients and will adversely affect its operation. Panel Neutral or Conduit Ground is not acceptable.
Minimum Wire Size: 12 AWG

WARNING

THE INSTALLING CONTRACTOR IS RESPONSIBLE FOR THE WIRING OF ALL DEVICES, THE WIRE TYPE AND THAT ALL WIRE SIZES MEET STATE AND LOCAL CODE REQUIREMENTS. THE INSTALLING CONTRACTOR IS ALSO RESPONSIBLE THAT THE INSTALLATION IS FREE OF ALL DEFECTS.

WIRING SPECIFICATIONS

- DATA/SLC– 16 AWG MIN 12AWG MAX. TWISTED CABLE. SHIELDED CABLE NOT ACCEPTED.
- ZONE/IDC– 16 AWG MIN 12AWG MAX.
- SIGNAL/NAC– 16AWG MIN 12AWG MAX
- POWER– 16AWG MIN 12AWG MAX
- ANNUNCIATOR DATA– 16AWG MIN. 12AWG MAX. TWISTED SHIELDED CABLE.

POWER LIMITED AND NON POWER LIMITED CABLE CAN NOT BE RUN THROUGH THE SAME RACEWAY.

NOTES

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.
3. Maximum line resistance is 40 Ohms, maximum line capacitance is 0.5 micro-farad per loop.

GENERAL NOTES

1. 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: DO NOT connect any power to control panel (batteries or 120 vac) until all other field wiring is tested and connected.
3. DO NOT install F.A.C.P. or smoke detectors in any unheated area.
4. DO NOT 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 ONLY.
8. FACP indicating circuit outputs are 24 VDC @ 1.7 amps per circuit.
9. All electronic devices must be installed in a temperature controlled "dry" environment.
10. Cabinet Dimensions:

FX-2003-6DSK - L 26.0000" W 14.5000" D 4.5000"

SPECIAL FUNCTIONS

All Wiring To Be Class A.

QTY	LEGEND
5	Addressable Manual Pull Station
8	Analog Photoelectric Smoke Detector
2	12/24VDC Carbon Monoxide Detector
3	Flow Switch (Furnished By Others)
3	Tamper Switch (Furnished By Others)
6	Addressable Monitor Module
2	Addressable Mini Monitor Module
2	Strobe
9	Horn Strobe
16	Mini Horn
1	Serial LCD Annunciator
2	Dual Sync Module
1	AES Radio Transceiver (Furnished By Others)
	End of Line Resistor must be installed after the last device
15	15 Candela
110	110 Candela
	Ground

SIGNAL CIRCUITS

CKT #	TOTAL LOAD	CAPACITY %
SIG CKT 1	1.4350	84%
SIG CKT 2	0.3550	21%
SIG CKT 3	0.3550	21%
SIG CKT 4	0.0350	2%

WIRE SIZE TO BE DETERMINED BY INSTALLING CONTRACTOR IN FIELD. ALL SYSTEM WIRING SHALL BE 16AWG MIN. AND 12AWG MAX.

Prepared By:
Mammoth Fire Alarms Incorporated
1-800-995-9808
Lowell, MA 01854-3126

Property Protection Monitoring Incorporated
1-877-794-1344
Lowell, MA 01854-3126
24/48 UL Listed Signal Monitoring

Mammoth Fire Protection Systems Incorporated
1-877-637-3560
Lowell, MA 01854-3126
Fire Sprinkler & Clean Agent Suppression Systems

Scale: None | Approved By: Dave 9/14/17 | Drawn By: RJW
Date: 9/8/17 | Revised:

Project Info:
502 Deering Center
Portland, ME.

Prepared For:
Corey Electric, Inc.
609 Main Street Westbrook, Me. 04092

Drawing No. 243920
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Inspection Division
Lowell Fire Department
Date: 12/08/17

Prepared By:
Mammoth Fire Alarms Incorporated
1-800-995-9808
Lowell, MA 01854-3126

PPM Property Protection Monitoring Incorporated
1-877-704-3344
Lowell, MA 01854-3126
24HR UL Listed Signal Monitoring

MFPS Mammoth Fire Protection Systems Incorporated
1-877-637-3569
Lowell, MA 01854-3126
Fire Sprinkler & Clean Agent Suppression Systems

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