Model XR500 Series Wiring Diagram

Refer to XR500 Series Installation Guide (LT-0681 1.27) for a complete description of wiring connections. Refer to XR500 Series Programming Guide (LT-0679 1.17) for complete programming instructions.

XR500 Series

Command Processor™

Panel

0

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(s)

Link LED O

14

J1 (§ Ethernet

0000 J22 LX-Bus

0000000 J10

-B BELLGND RED YEL GRN BLK SMK GND Z1

 $|\otimes|\otimes$

minimum

gauge r gauge r gauge i

> (\$) (s)

GREEN YELLOW

gauge

22 22 22 22

RED

Keyswitch Arming

can be connected

Smoke

Detector

to any zone.

PROG 0000

10

minimum

(9)(9)

Ġ

BLACK

 $|\otimes|\otimes$

 \otimes \otimes

RFD

RED

GREEN

BLACK

Tamper 00

J3 (S)

+B

(S)

Cold Water

Pipe Earth

Bell

Bell cutoff time

range is 5 to 99

minutes, non-coded.

1k

Ground

 $|\otimes|\otimes|\otimes$

Phone Line

J12

Battery

Start

(§) <u>S</u>

___ RED

____ BLACK

Farth

Ground

For Standard Line

Security burglary

applications use

AB12M bell and bell

1k Ohm 1k Ohm 1k Ohm

Use Listed Power Supervision Relay rated at 12 VDC.

Ademco Model

housing.

16 to 18 gauge wire

Maximum AC Wire distance

with 16 gauge wire: 70 feet

with 18 gauge wire: 40 feet

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AC Wiring must be in conduit and exit

Wiring on terminals 5 through 22 must

exit right and maintain 1/4" separation

from the AC and battery positive wiring

Output 1 N/O Orange

Output 1 Output 1

Output 5

Listed Resistors

1.0k Ohm - DMP Model 311

3.3k Ohm - DMP Model 309

10K Ohm - DMP Model 308

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Ohm

GND Z6

Ohm Ohm

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process Sensor trips is 10.2 VDC.

Minimum voltage on Auxiliary output to

Auxiliary/Smoke Power

Total current combined from

terminals 7, 11, 25, and 27

1.5 Amp Max 10.2 VDC to 14.0 VDC

When using (2) Model 364 Batteries

Total Combined Current from

terminals 7, 11, 25, and 27

Ohm Ohm

Output Color Code Output 3 Red Output 4 Yello

Annunciator Outputs (J11)

Yellow

Black

J16

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Zone 10

Ohm

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Ohm

Resistor Resistor

= Supervised Circuit

out the left side of the enclosure.

Output 1 OVC Output 2

GND

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Zone Zone



The operating instructions should be located adjacent to the control unit or keypad.

HOUSEHOLD FIRE WARNING

Recognized limited energy cable must be used for connection of all initiating, indicating, and supplementary devices.

USE MARKING

Commercial and Residential Fire. Burglar, Holdup, and Access Protected Premise Unit

Bell

12 VDC

Minimum cutoff time 5 min. 1.5 Amp Max

The plug-in transformer shall plug into a 120 VAC 60 Hz outlet not controlled by a switch and all 16 to 18 gauge wire shall run through conduit.

TYPES OF SERVICE

Suitable for Local, Police Station Connect, Mercantile, and Proprietary with 350H Enclosure.

Central Station DACT service may be provided using 350H Attack Resistant enclosure.

Suitable for Proprietary, PPU, other technologies, local.

Suitable for Signaling and Remote Station PPU DACT

Suitable for manual fire alarm, automatic fire alarm, sprinkler supervisory, or water flow alarm.

Suitable for Standard or Encrypted Central Station with NFT or CFLL communication.

Suitable for Bank Safe and Vault Service with 350H Enclosure.

Suitable for Household Fire and Household Burglary.

Suitable for Coded and March Time signaling.

SIA CP-01-2010 minimum system is XR500, listed local Bell, and off premise DACT communication to an SCS-1R receiver plus listed compatible keypads as indicated in the installation guide.

WARNING

Intended Installation Environment - Indoor/Dry

THIS UNIT MAY BE PROGRAMMED TO USE AN ALARM VERIFICATION FEATURE THAT RESULTS IN DELAY OF THE SYSTEM ALARM SIGNAL FROM THE INDICATED CIRCUITS. THE TOTAL DELAY (CONTROL UNIT PLUS SMOKE DETECTORS) SHALL NOT EXCEED 60 SECONDS. NO OTHER SMOKE DETECTOR SHALL BE CONNECTED TO THESE CIRCUITS UNLESS APPROVED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ)



3NTL

Digital Monitoring Products, Inc

Fire Alarm and Security Equipment

Conforms to: ANSI/SIA CP-01-2010 The total current combined from Auxiliary and Bell Power cannot exceed:

Burglary/Access/Household Fire: 1.3 Amps with a 50 VA transformer, 1.0 Amp Max for Auxiliary

Commercial Fire: 1.2 Amps with a 56 VA transformer, .5 Amp Max for Auxiliary Power and .7 Amp Max for Bell



Tamper Heat detectors, pull stations, or any other contact devices listed for Fire Protective Signaling can be connected to zones

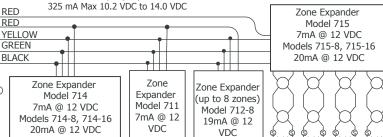
9 and 10.

Front and Rear

Zones 9 and 10 and Model 715 compatibility identifier: A Maximum operating range: 9.7 VDC to 14.0 VDC. Class B (Style A).

Zones 9, 10, and all expanded zones are suitable for Class B (as applicable for the initiating and signaling line circuits per ANSI/UL 864 Table 48.2 or 48.3). Installation limits under local Authority Having Jurisdiction (AHJ).

Using verification delays on zones 9 and 10 is optional. Use the delays marked on the smoke detectors



WARNING: Incorrect connections may cause damage to the unit.

1k Ohm 1k Ohm 1k Ohm

CAUTION: DO NOT USE LOOPED WIRE UNDER TERMINALS, BREAK WIRE RUN TO PROVIDE SUPERVISION OF CONNECTIONS.

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1k Ohm



FCC IDENTIFICATION

1k Ohm

Digital Monitoring Products, Inc. Model XR500 & XR500N Command Processor Ringer Equivalence: 0.0B Use standard jack: USOC RJ31X This unit complies with CFR 47 Part 68, FCC

Date of Manufacture:

FCC Reg. No: US: CCKAL00BXR500 Engineered and Assembled in USA

Rules as of date of manufacture.

POWER LIMITED

This unit has been tested by Underwriter's Laboratories and found to comply with the requirements for inherent power limitation.



7165-1157:123 7167-1157:127

Accepted For Use New York City (FDNY COA #6123) FDNY COA #6145