MODEL XR2400F WIRING DIAGRAM

Refer to the XR2400F Installation Guide (LT-0554) for a complete description of wiring connections.
Refer to the XR200/XR2400F Programming Guide (LT-0196) for complete programming instructions.

TYPES OF SERVICE

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

Central Station DACT, MUX, Type 1, 2, and 3 signaling service may be provided.

Suitable for Remote Station Signaling Service with DMP Model 893 DACT. Also suitable for use with Radionics D127 Module.

Suitable for Grade AA Central Station with MPX, DNET, or HST communication.

Suitable for Grade AA with encryption when used with the iCOM-E™ High Security Internet Alarm Router.

Wire into 120 VAC 60 Hz circuit not controlled by switch. At least 1.85 Amps of available current.

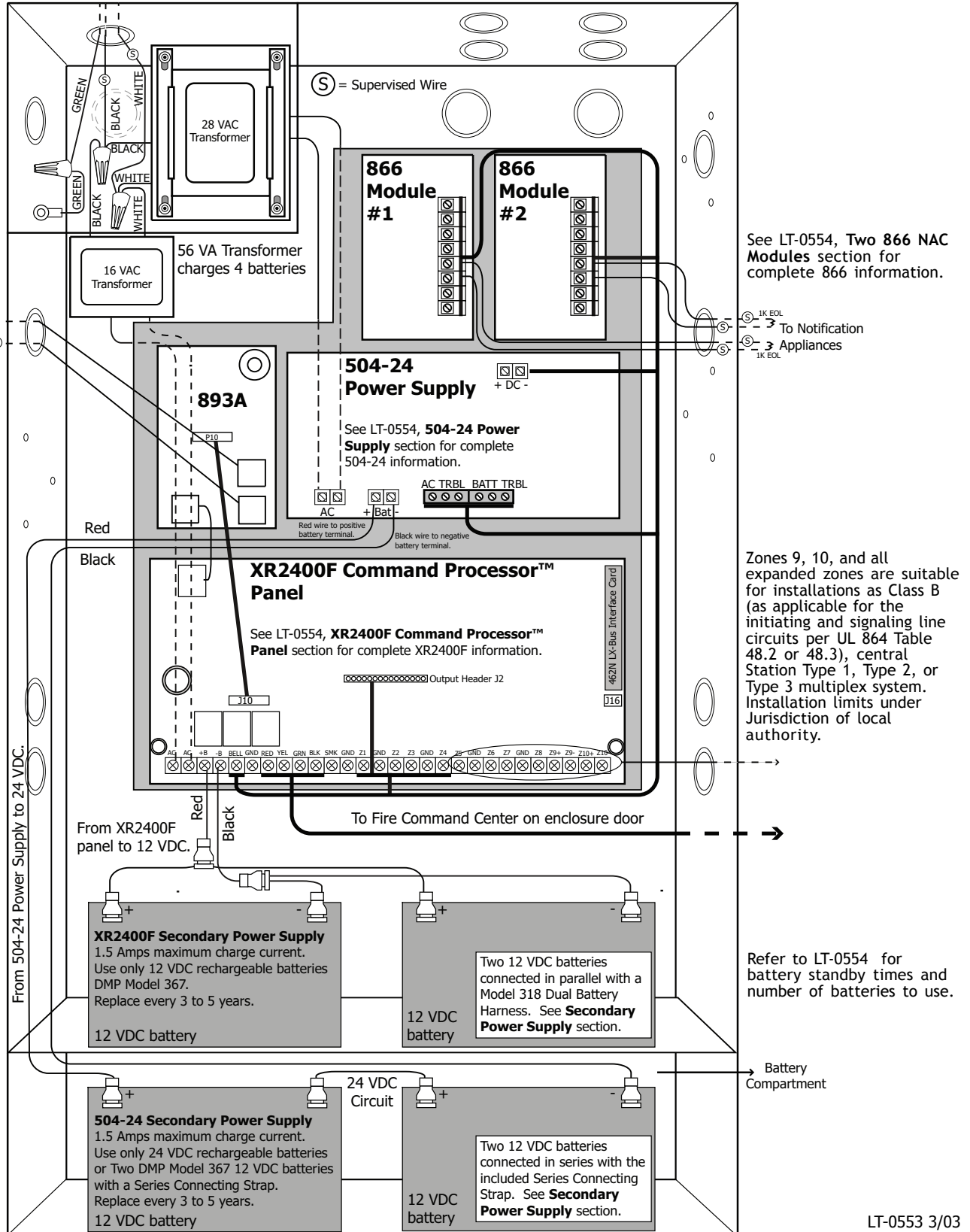See LT-0554, **893A Dual Phone Line Module** section for complete 893A information.

NFPA 72

This equipment should be installed in accordance with Chapter 2 of the National Fire Alarm Code, ANSI/NFPA 72-1993, (National Fire Protection Association, Batterymarch Park, Quincy, MA 02269). Printed information describing proper installation, operation, testing, maintenance, evacuation planning, and repair service is to be provided with this equipment.

WARNING

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.

Mount as shown in Installation Guide, LT-0554.
Refer to LT-0560 for User Instructions

Verification Zones	Control Unit Delay	Smoke Model	Detector Delay
_____	13.6 sec.	_____	____ sec.

(S) = Supervised Wire

28 VAC Transformer

16 VAC Transformer

56 VA Transformer charges 4 batteries

To Telco

GREEN WHITE BLACK BLACK WHITE GREEN BLACK WHITE

866 Module #1   **866 Module #2**

See LT-0554, **Two 866 NAC Modules** section for complete 866 information.

1K EOL To Notification Appliances 1K EOL

893A

504-24 Power Supply   + DC -

See LT-0554, **504-24 Power Supply** section for complete 504-24 information.

AC TRBL   BATT TRBL

AC   + Bat -
Red wire to positive battery terminal.   Black wire to negative battery terminal.

Red   Black

XR2400F Command Processor™ Panel

See LT-0554, **XR2400F Command Processor™ Panel** section for complete XR2400F information.

462N LX-Bus Interface Card

Output Header J2

J10   J16

AG AG +B -B BELL GND RED YEL GRN BLK SMK GND Z1 GND Z2 Z3 GND Z4 Z5 GND Z6 Z7 GND Z8 Z9+ Z9- Z10+ Z10-

Zones 9, 10, and all expanded zones are suitable for installations as Class B (as applicable for the initiating and signaling line circuits per UL 864 Table 48.2 or 48.3), central Station Type 1, Type 2, or Type 3 multiplex system. Installation limits under Jurisdiction of local authority.

From 504-24 Power Supply to 24 VDC.

From XR2400F panel to 12 VDC.

Red   Black

To Fire Command Center on enclosure door

XR2400F Secondary Power Supply
1.5 Amps maximum charge current.
Use only 12 VDC rechargeable batteries DMP Model 367.
Replace every 3 to 5 years.

12 VDC battery

Two 12 VDC batteries connected in parallel with a Model 318 Dual Battery Harness. See **Secondary Power Supply** section.

12 VDC battery

Refer to LT-0554 for battery standby times and number of batteries to use.

Battery Compartment

24 VDC Circuit

504-24 Secondary Power Supply
1.5 Amps maximum charge current.
Use only 24 VDC rechargeable batteries or Two DMP Model 367 12 VDC batteries with a Series Connecting Strap.
Replace every 3 to 5 years.
12 VDC battery

Two 12 VDC batteries connected in series with the included Series Connecting Strap. See **Secondary Power Supply** section.

12 VDC battery

LT-0553 3/03