

MODEL 1912 WIRING DIAGRAM

Refer to the Model 1912 Installation Guide (LT-0127) for a complete description of wiring connections. Refer to the Model 891/891A Programming Manual (LT-0120) for complete programming instructions.

TYPES OF SERVICE

Central Station DACT, MUX Type 1, 2, and 3 signaling service may be provided. See sections 22.5 to 22.7.

Suitable for Remote Station Signaling Service with Radionics D127 Module. See sections 22.10 and 24.2.

Suitable for Proprietary Signaling Service. See section 22.9.

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

Suitable for Grade AA Central Station with multiplex communication. Grade B may be provided with dialer communication and DMP 349 enclosure. See section 18.8.

Suitable for Mercantile Safe and Vault Service with 349A enclosure. See section 19.8.

Suitable for Household Fire and Grade A Household Burglary.

Suitable for Grade A Local, Police Station Connect, Mercantile, and Proprietary with dialer communication and 349A Enclosure. Grade AA with multiplex communication. See sections 17.5, 19.3, and 19.7.

NFPA 72 and 74

This equipment must be installed in accordance with the National Fire Protection Association's Standard 72 or 74. Printed information describing proper installation, operation, testing, maintenance, evacuation planning, and repair service is to be provided with this equipment. Refer to the user's manual provided with each Model 1912 for complete operation and testing instructions.

HOUSEHOLD FIRE WIRING

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

NFPA 72 OPERATING INSTRUCTIONS

The operating instructions sheet (LT-0129) or (LT-0130) must be attached to the control unit or framed and located adjacent to the control unit or keypad.

POWER LIMITED

All circuits on the Model 1912 comply with the requirements for inherent power limitation except terminals 1, 2, and 3. AC wiring to transformer must be in conduit. Battery positive and AC wiring must maintain 1/4" separation from all other wires. See section 1.7.

DMP Transformers:

Model 320
16.5 VAC 40VA
wire-in,
Model 321
16.5 VAC 40VA,
Model 323
16.5 VAC 20VA.

Plug into 120 VAC outlet not controlled by switch.

Secondary Power Supply
Use only 12 VDC rechargeable batteries. DMP Model 367.
1.2 Amps max. charging current.
Replace every 3 to 5 years.

Bell
12 VDC nominal
Total current 1 Amp max.
Refer to LT-0164 for list of approved indicating devices.

Household system
An alarm sounding device must be installed indoors so that it is clearly heard in all sleeping areas.

Central Station System
Supplemental device.

Keypads

Model 670, 770, 771
100mA at 8 to 16 VDC
125mA with display lit.

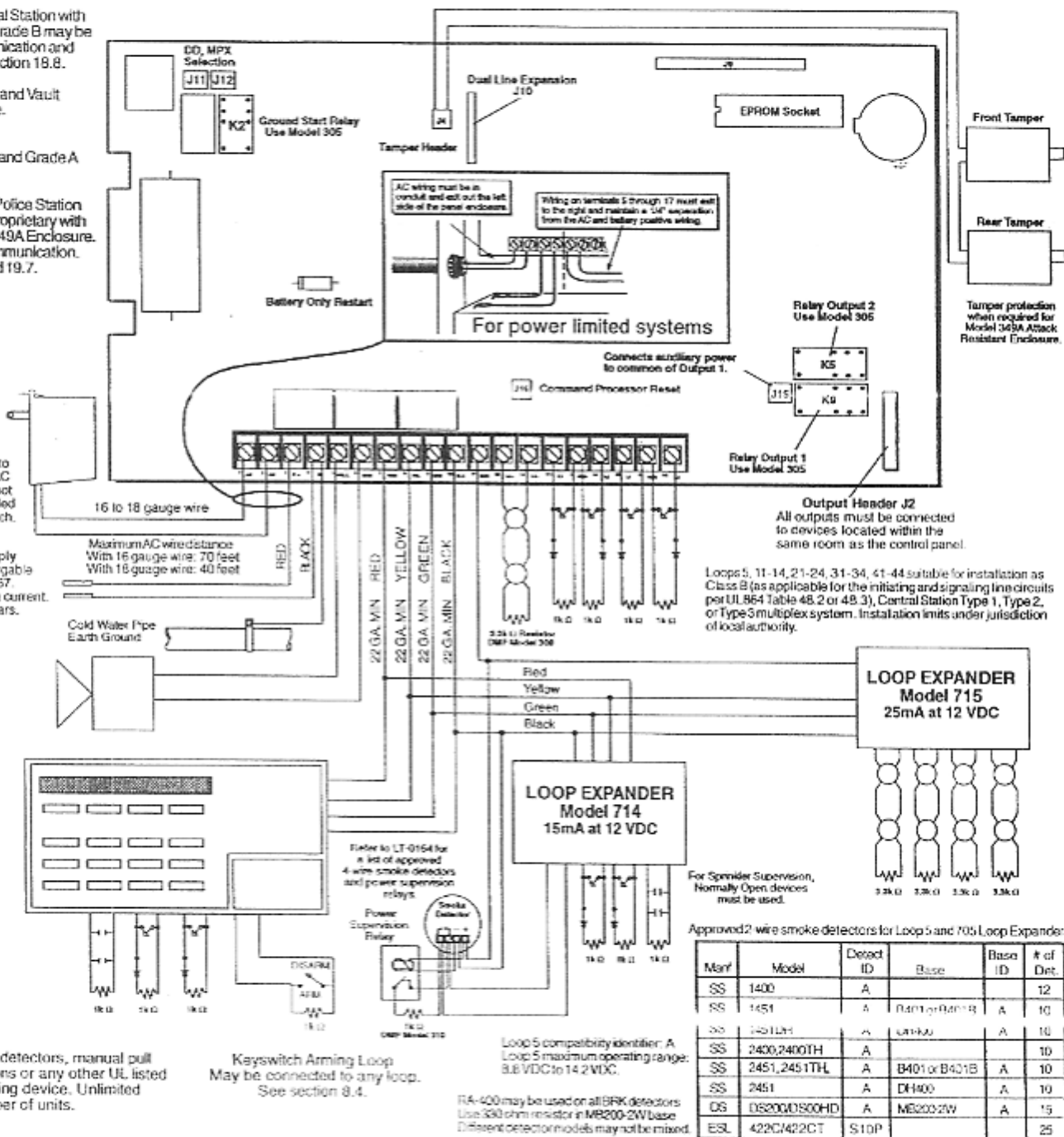
Model 772, 773, 774
30mA at 8 to 16 VDC

Heat detectors, manual pull stations or any other UL listed shunting device. Unlimited number of units.

Keyswitch Arming Loop
May be connected to any loop.
See section 8.4.

Loop 5 compatibility identifier: A
Loop 5 maximum operating range:
8.8 VDC to 14.2 VDC.

RA-400 may be used on all BRK detectors
Use 330 ohm resistor in MR200-2W base
Different detector models may not be mixed



Loops 5, 11-14, 21-24, 31-34, 41-44 suitable for installation 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.

For Sprinkler Supervision,
Normally Open devices
must be used.

Approved 2-wire smoke detectors for Loop 5 and 705 Loop Expanders

Manf	Model	Detct ID	Base	Base ID	# of Det.
SS	1400	A			12
SS	1451	A	B401 or B401B	A	10
SS	2401	A	LA19A	A	10
SS	2400/2400TH	A			10
SS	2451, 2451THL	A	B401 or B401B	A	10
SS	2451	A	DF400	A	10
OS	DS200/DS200HD	A	ME200-2W	A	15
ESL	422C/422CT	S10P			25

Verification Loops	Control Unit Delay	Smoke Detector Model	Smoke Detector Delay
5*	13.6 sec.	_____	_____ sec.
_____	13.6 sec.	_____	_____ sec.
_____	13.6 sec.	_____	_____ sec.
_____	13.6 sec.	_____	_____ sec.

*The use of a verification delay on Loop 5 is optional. Use the delays marked on the smoke detectors.

WARNING

THIS UNIT MAY BE PROGRAMMED TO USE AN ALARM VERIFICATION FEATURE THAT RESULTS IN A 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.