

# 5120XM SUMMARY OF CONNECTIONS

## WARNING:

OWNER'S INSTRUCTION NOTICE NOT TO BE REMOVED  
Refer to the 5120XM Installation Instructions N8029  
for additional information

**TYPES OF FIRE SIGNALING SERVICE:** UL LISTED CENTRAL STATION AND REMOTE STATION PROTECTED PREMISES UNIT PROVIDING MANUAL FIRE ALARM, AUTOMATIC FIRE ALARM, SPRINKLER SUPERVISORY AND WATER FLOW ALARM. INSTALLATION LIMITS UNDER JURISDICTION OF LOCAL AUTHORITY

THIS EQUIPMENT SHOULD BE INSTALLED IN ACCORDANCE WITH THE NATIONAL FIRE PROTECTION ASSOCIATION'S STANDARD 72 (NATIONAL FIRE PROTECTION ASSOC., BATTERYMARCH PARK, QUINCY, MA 02269). PRINTED INFORMATION DESCRIBING PROPER INSTALLATION, OPERATION, TESTING, MAINTENANCE, AND REPAIR SERVICE IS PROVIDED WITH THIS EQUIPMENT.

## TEST BURGLARY SYSTEM WEEKLY

### WARNING:

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

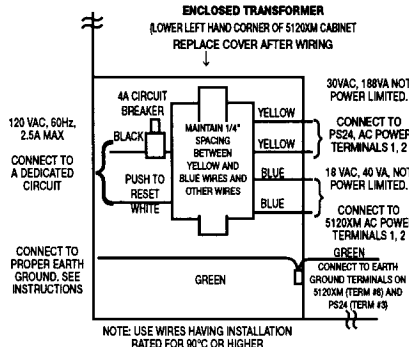
CIRCUIT (ZONE)	CONTROL UNIT DELAY - SEC	SMOKE DETECTORS MODEL	SMOKE DETECTORS DELAY - SEC

THE DELAY TIME MARKED ON THE INSTALLED DETECTORS IS TO BE USED



SEE INSTRUCTIONS REGARDING PORT #2 USE.  
MAKE CONNECTIONS USING 4142TR CABLE.  
KEYPAD CONNECTIONS NOT SUPERVISED.  
PIN 1: GROUND  
PIN 4: DATA IN 2  
PIN 5: AUX PWR #2  
RATING:  
+10-14 VDC  
+400 mA MAX  
(SEE NOTE 2)  
+POWER LIMITED  
PIN 7: DATA OUT 2  
PIN 8: TO PS24 LOW AC OUTPUT  
PIN 9: TO PS24 LOW BATTERY OUTPUT  
NOTE: PINS 8 AND 9 MUST BE ENABLED IN FIELD #37  
OTHER PINS NOT USED

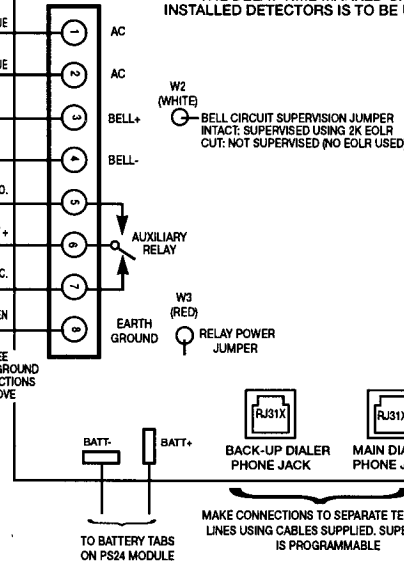
- AUX POWER #1 RATING: 10-14VDC, 400mA MAX, POWER LIMITED, NOT SUPERVISED. (SEE NOTE 2)  
- 6137, 6137R, 6139 OR 6139R MAY BE USED AS A REMOTE KEYPAD, KEYPAD COLOR SUBJECT TO APPROVAL OF LOCAL AUTHORITY. ONLY 6139 OR 6139R MAY BE USED TO PROGRAM PANEL.  
- REFER TO INSTRUCTIONS FOR MAX # OF KEYPADS AND WIRE LENGTH RESTRICTIONS. KEYPAD CONNECTION NOT SUPERVISED



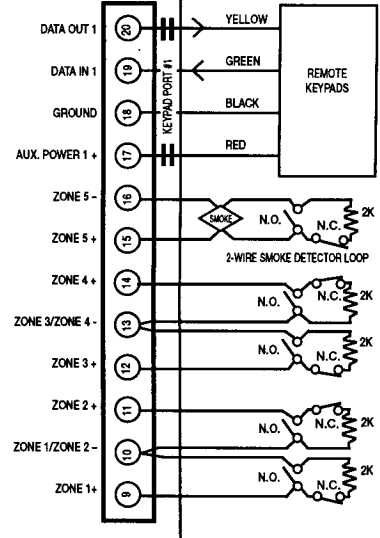
NOTE: USE WIRES HAVING INSTALLATION RATED FOR 90°C OR HIGHER  
SEE AC TRANSFORMER CONNECTIONS ABOVE  
RATING: 10-14V, 1A MAX (SEE NOTE 2), POWER LIMITED.  
ALARM POLARITY SHOWN.  
CONNECT TO PS24 INPUT B TERMINALS 15, 16. PS24 INPUT B DRAWS 500mA ON ALARM.  
- AUX RELAY HAS PROGRAMMABLE FUNCTION (NOT SUPERVISED)  
- JUMPER W3: 10-14VDC ON TERMINAL 6, 400mA MAX (STANDBY) 1A MAX (ALARM), POWER LIMITED (SEE NOTE 2), USE TERMINAL 16 FOR GROUND RETURN.  
- JUMPER W3 CUT: NO VOLTAGE ON TERMINAL 6, RELAY CONTACT RATING: 30 VAC/VDC, 2A MAX, RESISTIVE LOADS

### NOTES:

- Note 1:**  
Style Y supervision provided on 5120XM bell ant PS24 Output B wiring. Connect polarized alarm devices and EOLR to PS24 Output B as shown. Supervision may be disabled by cutting 5120XM pcb jumper W2 and programming zone 6 for no response.
- Note 2:**  
The combined standby current drawn from 5120XM aux power #1, aux power #2 and relay power cannot exceed 400 mA.  
The combined alarm current drawn from 5120XM aux power #1, aux power #2, relay power and bell outputs cannot exceed 1.0 A.  
The alarm current drawn from PS24 output B may be up to 1.7A independent of current drawn from 5120XM.
- Note 3:**  
See 5120XM instructions for required capacity and battery mounting. Replace both batteries every three years.
- Note 4:**  
All circuits are power limited except transformer 18VAC output and 30VAC outputs.



COMPLIES WITH FCC RULES, PART 68  
FCC REG. NO: AC398U-68192-AL-E  
RINGER EQUIVALENCE: 0.75



### ZONE 1-5 NOTES:

- ALL ZONES PROVIDE STYLE B SUPERVISION. USE ONLY N.O. DEVICES ON FIRE ZONES.
- ZONE RESISTANCE (EXCLUDING EOLR) WITH  
+ ZONES 1-4: 300 OHM MAX  
+ ZONE 5: 100 OHMS MAX
- ZONE RESPONSE: 300-500 MILLISECOND (ALL ZONES)
- ZONE 5 RATINGS:  
+ 10-14VDC  
+ 2 MA MAX FOR 2-WIRE SMOKE DETECTORS. UP TO 16 DETECTORS OF TYPE SPECIFIED IN INSTRUCTIONS MAY BE USED.  
+ UL COMPATIBILITY ID: A
- USE ADEMCO MODEL 610-7 2K EOLR ON FIRE ZONES.

### WARNING:

TO PREVENT RISK OF ELECTRICAL SHOCK, DISCONNECT TELCO JACK BEFORE SERVICING THIS PANEL

