Commercial/Residential Fire and Commercial and Household Burglary, Mercantile/Bank Safe and Vault Protected Premises Control Unit

WARNING:

FOR DRY, INDOOR USE ONLY

This unit includes a Fire Alarm Verification feature that will result in a delay of the System Alarm Signal from the indicated Fire Alarm circuits. The total delay (Control Unit plus Smoke Detectors) shall not exceed 30 seconds. No other Smoke Detector shall be connected to these circuits unless approved by the

local authority having jurisdiction. Circuit (zone) Control Unit Delay, Seconds Smoke Detector Delay, Seconds Model Zone 1 8 Seconds Zone 2 8 Seconds THE DELAY TIME MARKED ON THE INSTALLED DETECTOR(S) IS TO BE USED

This equipment should be installed in accordance with the National Fire Alarm Code, ANSI/NFPA 72 (National Fire Protection Assoc., Batterymarch Park, Quincy, MA. 02169). Printed information describing proper installation, operation, testing, maintenance and repair service is to be provided with this equipment. Additionally, this equipment should be installed in accordance with UL1641 - Installation and Classification of

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1 2 3 4 5 6 7 8 9 9

BELL 2

BELL

0

HORN

AUX BELAY (FORM C) programmable response (not supervised)
Contact Rating:
28VAC/VDC, 2.8A

₩1 (WHITE)

BELL OUTPUTS

(SEE NOTE 7) BLK -[] Connect to 12V, 12AH min/34.4AH max

See instructions for required capacity.
Float charging voltage: 13.7VDC. Battery normally need not be replaced for

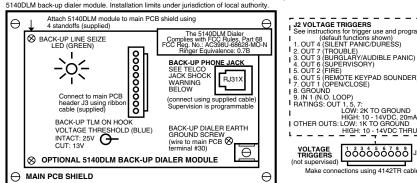
Special Application Circuit Connect Only Fire Keypads to AUX PWR # 2. BELL CIRCUIT SUPERVISION JUMPERS

> **KEYPAD PORT #2** 000000000000

TYPES OF FIRE SIGNALLING SERVICE:

J4 KEYPAD PORT #2

Manual fire alarm, automatic fire alarm, sprinkler supervisory and waterflow alarm, DACT, Radio Frequency (RF) and Multiplex. UL Listed local control (non-coded). UL Listed central station and remote station protected premises unit when used with



1 5. UU1 2 (HINE) 6. OUT 5 (REMOTE KEYPAD SOUNDER) 7. OUT 1 (OPEN/CLOSE) 8. GROUND | 8. GROUND 9. IN 1 (N.O. LOOP) | RATINGS: OUT 1, 5, 7: | LOW: 2K TO GROUND | HIGH: 10 - 14VDC, 20mA MAX | OTHER OUTS: LOW: 1K TO GROUND HIGH: 10 - 14VDC THRU 5K

See instructions for trigger use and programming (default functions shown)

1. OUT 4 (SILENT PANIC/DURESS)

2. OUT 7 (TROUBLE IN TROUBLE IN TRO

TEST BURGLARY SYSTEM WEEKLY

J2 VOLTAGE TRIGGERS

NOTE: J2 Voltage triggers can only be used with the 4146 keyswitch for fire applications. Trigger Wiring must be run in conduit within 20ft of the Control Panel.

INTERFACE TO 5140DLM 000000000 J3

MAIN DIALER ON HOOK VOLTAGE THRESHOLD INTACT:25V CUT: 13V Q ESHOL W6 (BLUE)

CONNECTION OF THE FIRE ALARM SIGNAL TO A FIRE ALARM HEAD-QUARTERS OR A CENTRAL STATION SHALL BE PERMITTED ONLY WITH THE APPROVAL OF THE LOCAL AUTHORITY HAVING JURISDICTION. THE BURGLARY ALARM SIGNAL SHALL NOT BE CONNECTED TO A POLICE EMERGENCY NUMBER. J4 NEYPAD PORT #2 See instr. regarding port #2 use 1. GROUND (to keypad black wire) 4. DATA IN 2 (to keypad green wire) 5. AUX PWR #2 (to keypad red wire) Rating: 10 - 14 VDC, 400mA max. See note 1 7. DATA OUT 2 (to keypad yellow wire) PINS 2, 3, 6, 8 & 9 NOT USED 7 ZONE 2 -__ ZONE 7 ___ ZONE 8 -1 1 12 13 14 15 (16) 21/22 19 24 25 · ② (18) 20 28) 29 30 PHONE JACK WARNING. TO PREVENT 2-WIRE SMOKE DETECTOR LOOF 2-WIRE SMOKE DETECTOR LOOF RISK OF ELECTRICAL Blk Gm Yel SHOCK, DISCONNECT TELCO JACK BEFORE OLLING LOOP REMOTE KEYPADS: 6160, 6160CR-2, SEE NOTE 2 SERVICING THIS PANEL AUXILIARY POWER #1
1.0A MAX (STANDBY) (For Canada 650mA)
1.7A MAX (ALARM) (See Note 1.)
Max. Impedance: 0.6 Ohms
Special Application Circuit. N.C. N.C. N.C. Fire & Burglary Devices on the ECP Bus must be isolated using an ECP Isolator. Refer to Instructions for specific examples. ľn.c. N.C. Y_{N.C.} N.C N.C. N.O. N.O. N.O. ECP Bus: Max. Line Impedance: 50 Ohms Special Application Circuit. N.O. N.O. N.O. N.O. N.O. **EARTH GROUND** 44 $\Delta \Lambda \Lambda \Lambda \Lambda$ -**^**^^^ $L_{\Lambda\Lambda\Lambda}$ **4 A A A** 4208U proper earth ground ZONE 1-8 NOTES All zones are Class B and provide Style B supervision
Zone resistance (excluding EOLR):
Zones 1, 2, 8: 100 ohms max
Other zones: 300 ohms max
Zone response: 350 - 500mS (all zones)
Do not mix fire and burg. sensors on one loop.
N.C. contacts for burg. usage only.
Voltage rating, all zones - 12VDC. Ratings for zones 1,2:
 - 2mA max for all smoke det. The impedance at which a ground fault is annunciated is 1,000 ohms (up to 16 detectors of the type

8.50"

ALARM POLARITY SHOWN NOTES The combined standby current drawn from aux pwr #1, aux pwr #2 and polling loop cannot exceed 1.04 (for Canada, 650mA) The combined alarm current drawn from aux pwr #1, aux pwr #2, polling loop, bell 1 and bell 2 cannot exceed 2.3A (for Canada, 1.95A). Each output is Class B and may be selected for Style Y supervision or no supervision. (See main PCB jumpers W1, W4 and #93 Menu Mode.) 2. See instructions on setting addresses & for max # of keypads and wire run length I restrictions.

BELL 1

BELL

0

HORN

(NOTE 5)

INPUT

60HZ, 1.0A max. Connect to a

I 3. Use only 14-22 AWG wire.

TRANSFORMER

W/FNCI OSUBE

ADEMCO No.1451

(supplied) INPUT: 120VAC,

OUTPUT: 18VAC 72VA

¹ 4. No more than one (1) wire per terminal may

5. Maximum Loop Impedance is 1.17 ohms.

6. 2k EOLR is Ademco Model EOL20.

7. If supervision of the batteries is required, they should be connected to the Battery Sense
Module. The Battery Sense Module is then connected to the panel. Refer to the Battery Sense Module instructions for connections

8. The control unit is to be checked by a qualified

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FIRE CKTS: Use only devices listed as Special Application NAC Devices in Installation and Setup Guide. Supervise using 2k EOLR. Use polarized sounding devices and backup batteries.

BURG CKTS: Supervision not req'd. EOLRs not req'd. May use non polarized devices. 1.7A max. See note 1, see instructions for compatible devices.

Can use No. 702 Siren, or 12V Bell.

For commercial fire, bell timeout must be a minimum of

ALL CIRCUITS ARE POWER LIMITED EXCEPT THE OUTPUT OF THE 1451 TRANSFORMER AND BACKUP BATTERIES.

ALL POWER-LIMITED WIRING MUST BE SEPARATED FROM NON-POWER LIMITED AND HIGH VOLTAGE WIRING BY 1/4 INCH (6.4 mm)

specified in the instructions car - UL compatibility ID: A

- Maximum fire loop capacitance is 100 uf.

FOR INSTRUCTIONS SEE K0376V3, DATED 11/09 AND QUICK REFERENCE K0376QR DATED 7/09 AND ADDENDUM K0376V3Y K0376V3ZZ DATED 7/10

The Main Dialer Complies with FCC Rules, Part 68
FCC Reg. No.: AC3-USA-68192-AL-E
Ringer Equivalence: 0.7B

ASSEMBLED IN MEXICO

VISTA-128FBP **SUMMARY OF CONNECTIONS**



TO OTHER DEVICES

Polling Loop: Class B, Style 3.

20 Ohms Max. Impedance

Polling Loop Ratings:
• (supervised) 128mA max. See note 1.
• 8-11 VDC

See instructions for compatible devices and

for max wire run length. Fire and Burglary devices on the polling loop must be isolated by use of a 4297 or VSI module. Refer to instructions for specific examples.

K0378-2V4 8/10 Rev A