

ALFMI FIRE MODULE FOR ALC6 & ALC8 CONTROL PANELS

U.L. Listing: Household Fire Warning System Control Unit Accessory

(c) ALARM LOCK 1988

WI416 9/88

GENERAL DESCRIPTION

The ALFMI is a monitoring station for Alarm Lock ALC6 and ALC8 control panels. It keeps the subscriber advised of the status of a supervised fire-protection circuit and allows him to reset smoke detectors and to silence local sounder indications. The ALFMI cannot be used as an independent fire control panel.

SPECIFICATIONS

Operating Voltage: 12Vdc
 Loop Current: 7mA
 Total Current Drain: Idle, 12mA
 Alarm, 45mA max.
 Series Loop Resistance: 300 ohms max.

MOUNTING

The Fire Module is mounted on the control-panel cover at either the left or right side (the other side being reserved for the ALK1 Keypad). Remove the screw holes and larger wire-entry hole in the control-panel cover. With its 2 mounting tabs positioned at the top, secure the keypad backplate to the cover using #6 flat head screws and nuts (supplied). Then engage the mounting slots at the top of the keypad with the tabs on the backplate and lower the keypad until it snaps into place.

WIRING

Refer to the accompanying wiring diagram for connection to the ALC6 or ALC8 Control Panel. Follow installation instructions accompanying the peripheral fire detection devices to be interfaced with the ALFMI. All fire sensors should be wired in parallel with no branch system. Power for the smoke detectors comes from the Auxiliary Power Output (12Vdc) of the control panel through the ALFMI.

The FTZ79 is a terminating and power loss detector module for use with powered smoke detectors monitored by an ALFMI. A relay within the module is energized by the voltage supplied to the smoke detectors. Relay contacts, connected in series with an internal end-of-line resistor, will open if the voltage is removed, breaking the supervised smoke detector loop and causing the ALFMI sounder and TROUBLE LED to go on.

Thermostats may be mixed with the powered detectors.

PROGRAMMING

If Zone 4 is programmed as a Day Zone, a fire trouble will be indicated by a pulsing sounder at the keypad and steady sounder at the ALFMI while disarmed, and may report a

trouble when armed. Do not program Zone 4 to sound an alarm. Programming Zone 4 as a 24-Hour Zone may report trouble while armed or disarmed and will have no affect upon the keypad.

Program Zone 6 as a 24-Hour Zone. Program Pulsing Output for Zone 6. A fire alarm will be indicated by a pulsing bell.

STATUS INDICATORS

TROUBLE LED - Lights if there is an open circuit on the Fire Zone.

ALARM LED - Lights if a device on the Fire Zone trips.

Sounder - Comes on for any alarm or trouble condition.

OPERATION

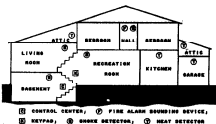
FIRE TROUBLE - TROUBLE LED on, sounder on. Push SILENCE Button to silence sounder. Repair circuit to extinguish TROUBLE LED.

FIRE ALARM RESET - ALARM LED on, sounder and fire alarm on. Push SILENCE Button to silence sounder. Disarm to reset fire alarm. (If disarmed, arm, then disarm). Push RESET Button to reset smoke detectors. If ALARM LED remains on, fire thermostat may be overheated or smoke detector may not be cleared of smoke. Wait a few minutes for detector to cool or clear, then repeat above; or fire circuit may be shorted -- call for service.

TYPICAL FIRE INSTALLATION

At least one smoke detector should be installed directly outside each sleeping area. If there is more than one floor, additional smoke detectors should be installed on each level, including the basement. The living area and basement smoke detectors should be installed near the stairway of the next upper level.

For increased protection, additional detectors should be installed in areas other than those required, such as in dining rooms, individual bedrooms, furnace rooms,



UTILITY ROOMS and hallways. Heat detectors rather than smoke detectors are recommended in garages, attics, and kitchens due to conditions that may result in false alarms and improper operation. Large areas and areas with partitions, ceiling beams, doorways and open joists will require additional detectors.

Refer to NFPA Standard 74 (National Fire Protection Association, Batterymarch Park, Quincy, MA 02269) for additional information, including proper mounting of detectors.

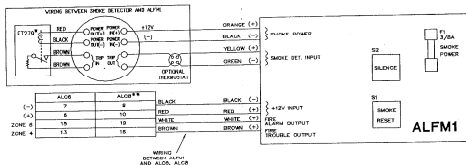
U.L.-LISTED SMOKE DETECTORS

The following U.L.-listed smoke detectors are recommended for use with the ALFM1 Fire Module in conjunction with an ALC6 or ALC8 Control Panel.

- BRK Models 1812 & 2812TH
- Pyrotector Models 3212 & 7212

When the panel is powered by an ALTRF1614 Transformer, up to 2 smoke detectors may be connected; with the ALTRF1620 Transformer, up to 4 smoke detectors may be used.

WIRING DIAGRAM



- *FT279 U.L. Listed: Household Fire and Burglary Warning System Control Unit Accessory.
 **ALC8 U.L. Pending: Household Fire and Burglary Warning System Control Unit

ALARM LOCK LIMITED WARRANTY

ALARM LOCK SYSTEMS, INC. warrants each of its products to be free from manufacturing defects in materials and workmanship for fifteen months following the date of manufacture. ALARM LOCK will, within said period, at its option, repair or replace any product failing to operate correctly, without charge to the original purchaser or user.

This warranty shall not apply to any equipment or any part thereof which has been repaired by others, improperly installed, improperly used, abused, altered, damaged, subjected to accident, seizure, flood, fire or acts of God, or on which any serial numbers have been altered, defaced or removed. Seller will not be responsible for any dismantling, reassembly or reinstallation charges.

In order to exercise the warranty, the product must be returned by the user or purchaser, shipping costs prepaid, and insured to ALARM LOCK. After repair or replacement, ALARM LOCK assumes the cost of returning products under warranty.

There are no warranties, express or implied which extend beyond the description on the face hereof. There is no express or implied warranty of merchantability or a warranty of fitness for a particular purpose. Additionally, this warranty is in lieu of all other obligations or liabilities on the part of ALARM LOCK.

This warranty contains the entire warranty. It is the sole warranty and any prior agreements or representations, whether oral or written, are either voided herein or are expressly cancelled. ALARM LOCK neither assumes, nor authorizes any other person purporting to act on its behalf to modify, to change, nor to assume for it, any other warranty or liability concerning its products.

In no event shall ALARM LOCK be liable for an amount in excess of ALARM LOCK's original selling price of the product, for any commercial loss or damage, whether direct, indirect, incidental,

consequential, or otherwise arising out of any failure of the product. Seller's warranty, as hereinafore set forth, shall not be enlarged, diminished or affected by and no obligation or liability shall arise or grow out of Seller's rendering of technical advice or service in connection with Buyer's order of the goods furnished hereunder.

ALARM LOCK recommends that the entire system be completely tested weekly.

Warning: Despite frequent testing, and due to, but not limited to, any or all of the following: criminal tampering, electrical or communications disruption, it is possible for the system to fail to perform as expected. Therefore, the consumer is advised to take any and all precautions for his or her safety including, but not limited to, fleeing the premises and calling police or fire department, in order to mitigate the possibilities of harm and/or damage.

This warranty shall be construed in accordance with the laws of the State of New Jersey.

ALARM LOCK SYSTEMS, INC.

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