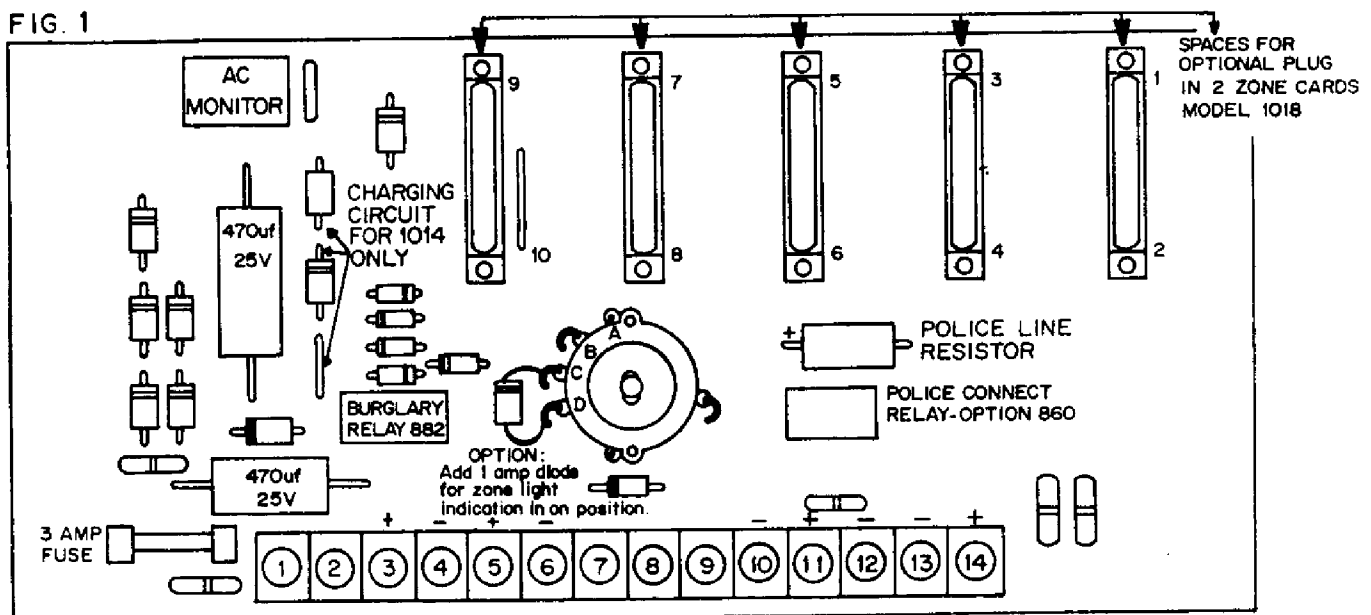


FIG. 1



TERMINALS	DESCRIPTIONS
Terminals 1 & 2	Low voltage transformer input - 871 only.
Terminals 3 & 4	Standby battery connection 3(+), 4(-): Model 1012 - connect 6 volt dry cell battery to 3 & 4. Model 1014 - connect 6 volt rechargeable gel cell battery (#640 supplied) to 3 & 4.
Terminals 5 & 6	Bell output 5(+), 6(-).
Terminals 7 & 8	Spare contact (closes on alarm).
Terminals 9 & 10	Normally open latching hold-up buttons (with 860 option) 10 (-). Use Model 885 remote station.
Terminals 11 & 12	Police connect, active when Model 860 relay option is used. 11(+), 12(-). Polarity reverses on alarm.
Terminals 13 & 14	6-9 volt constant output for powering other devices; 13(-), 14(+).

NOTE: Total power available is 2 amps.

AC CONNECTION

1. Connect two wires to screws (load side) of transformer, Model 871.
2. Connect these two wires to terminals 1 and 2 of 1012/1014.
3. Check that fuse (3 amp only) is in the fuse clips.
4. Plug transformer into 115 VAC outlet. Be sure this is available 24 hours.

DC CONNECTION

Terminals 3(+), 4(-) - Model 1012 uses 6 volt dry cell battery. Model 1014 uses 6 volt gel cell battery (#640 supplied), clips are provided with gel cell.

CAUTION: Reversal of battery connections will damage the charging circuit.

KEY SWITCH OPERATION OF UNIT

1. With the key in the day position, the system is off.
2. With the key in the bell test position, the bell(s) will ring.
3. With the key in the circuit test position, the following conditions will exist:
 - A. Circuit Open: will be indicated by both the master zone open lamp (red) and the individual zone LED illuminated.
 - B. Bypassed Circuit: will be indicated by the master zone bypass lamp (white) illuminated. To determine which zone is bypassed, open the panel box and check the individual zone card switches (see fig. 2).
 - C. The lamp test and reset switch is active only in the circuit test position. By pushing the switch to the right, all zone LEDs, master zone open lamp and zone bypass lamps will light. NOTE: Momentarily pushing this switch will also reset any zones that are locked-in due to an alarm condition when the system was armed.
 - D. If the master zone open lamp (red) on the panel is lit, the zone must be secured or bypassed before going to the "on" position.
4. With the key in the "on" position, the system is armed. If a zone is violated, the memory circuit of the zone violated will lock-in. To determine which zone is violated, put the control back to the circuit test position. The master zone open lamp (red) on the panel will light and the zone LED of the violated zone will light. The system cannot be armed again until the memory is reset. To reset the memory, momentarily push the lamp test and reset switch to the right. This will reset the memory, but if the zone is still open, the master zone open lamp (red) and the zone LED will remain on.

CIRCUIT CONNECTION

On each zone card, connect positive (+) (closed) protective loop between terminals 1 & 2 and connect negative (-) supervisory loop between terminals 3 & 4 for zone 1. Connect positive (+) (closed) protective loop between terminals 5 & 6 and connect negative supervisory loop between 7 & 8 for zone 2. DO NOT USE CONTACTS OR FOIL ON THE NEGATIVE LOOP. NOTE: Unit is supplied with jumpers on these terminals. Cut jumpers when using loops. Typically 3 & 4 and 7 & 8 would not be cut.

INSTALLATION OF OPTIONAL POLICE CONNECTION

1. Plug 2 pole relay (Model 860) into police connect socket (see Fig. #1). 6-10 VDC is on terminals 11 & 12. This voltage will reverse on alarm.
2. The voltage will also reverse if a normally open latching hold-up button is wired across 9 & 10. When the button is pressed, the voltage will reverse independent of system condition.
3. To increase the voltage on the leased lines, it is recommended to cut the left side of the police connect resistor close to the board (See Fig. #1) and add additional batteries in series by putting the (+) side of batteries to the cut end of the resistor and the (-) side of batteries to terminal 14.
4. Model 525, Telephone Leased Line Amplifier may be connected in place of police connect resistor. When variable output of 6-30 volts is necessary, see instructions for 525.

SPECIAL MODIFICATION AND FEATURES

1. To allow the individual zone LED to indicate an open zone in the "on" position and in circuit test, a 1 amp diode is connected between the "circuit test" and "on" positions of the wafer switch. The stripe side (+) of the diode goes to the "circuit test" position of the switch. (See Fig. #1.)
2. System on indication. Connect #504 light between terminal 13 & the "on" position of the wafer switch.

FIG.2

