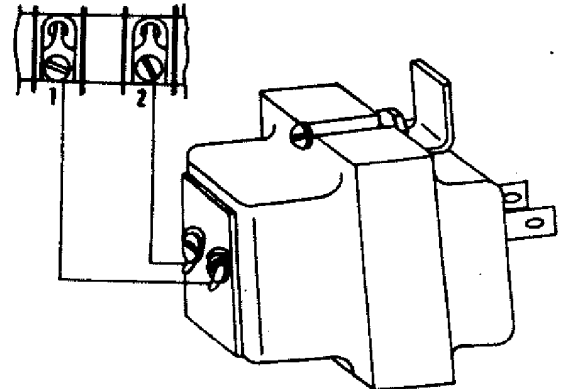


# BFC 200

## Installation Instructions

**FUNCTION:** 6 VOLT AC POWER INPUT  
**TERMINALS:** 1 and 2  
**EXPLANATION:** Connect to screw terminals of BFC 201 8.5 volt AC plug in transformer.

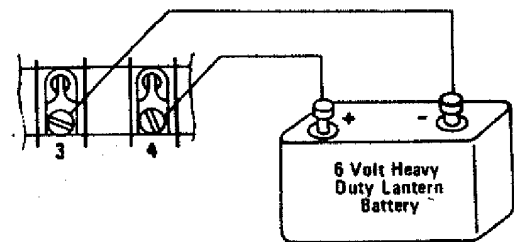
AC POWER INPUT



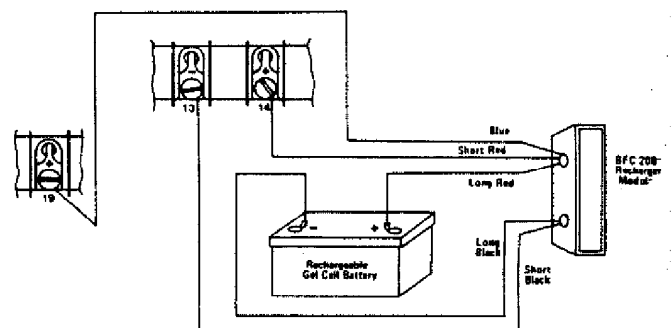
BFC 201 PLUG-IN POWER TRANSFORMER

**FUNCTION:** 6 VOLT STANDBY INPUT  
**TERMINALS:** 3 and 4  
**EXPLANATION:** Connect to terminals of 6 volt lantern battery e.g. Burgess TW 1, Eveready 731, or RCA VS 317. Observe polarity. When using the BFC 211 rechargeable 'Gel Cell' for standby, the optional BFC 206 Recharger Module will be necessary.

DRY BATTERY STANDBY



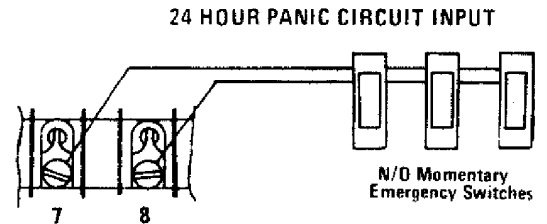
RECHARGEABLE STANDBY POWER



**FUNCTION:** N/O PANIC OUTPUT RELAY CONTACTS  
**TERMINALS:** 5 and 6  
**EXPLANATION:** Provides relay closure upon audible or silent panic alarm. Contacts rated at 5 amps.

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**FUNCTION:** N/O LATCHING 24 HOUR PANIC INPUT  
**TERMINALS:** 7 and 8  
**EXPLANATION:** Connect to N/O momentary panic switches. Wire switches in parallel. Momentary closure by panic switch provides audible output. For silent output move slide switch on panel to "SILENT" position. To reset panic alarm, use reset switch on panel. Remote stations will NOT reset panic alarm.



**FUNCTION:** OPTIONAL N/O POLICE CONNECT OUTPUT RELAY CONTACTS  
**TERMINALS:** 9 and 10  
**EXPLANATION:** Plug optional BFC 202 Polarity Reversing Relay into PR socket. These terminals provide instant 5 amp relay closure upon Burglary, Fire, Panic, or Police activation.  
  
For Delayed Closure upon BURGLARY ACTIVATION ONLY, cut jumpers on DT socket and plug BFC 205 Delay Tube into DT socket. Refer to Terminal label for socket location.

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**FUNCTION:** POLICE CONNECT POLARITY REVERSAL RELAY  
**TERMINALS:** 11 and 12  
**EXPLANATION:** Plug optional BFC 202 Polarity Reversal Relay into PR socket. Provides 6 volts DC (terminal 11 positive and 12 negative) to leased telephone lines at all times whether control is armed or disarmed. Upon Fire, Burglary, Police, or Panic alarm, terminal 11 becomes negative and terminal 12 becomes positive. FOR DELAYED POLARITY REVERSAL UPON BURGLARY ACTIVATION ONLY, cut jumpers on DT socket and plug BFC 205 Delay Tube into DT socket. Refer to terminal label for socket location.

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**FUNCTION:** OPTIONAL N/O 24 HOUR POLICE CONNECT INPUT  
**TERMINALS:** 13 and 14  
**EXPLANATION:** Connect to N/O Momentary Emergency switches. Closure instantly trips optional polarity reversal relay only. No other outputs are affected.

**FUNCTION:** OUTPUT TO CHANNEL A OF MARK 4000 TELEPHONE DIALER

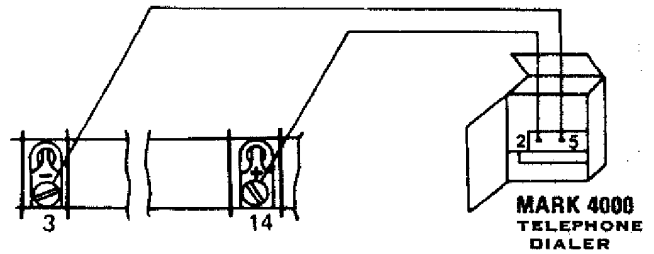
**TERMINALS:** 3 and 14

**EXPLANATION:** Provides 6 volts DC for instant or delayed dialer activation upon burglary, panic, or police connect alarm. Make connections as follows: (observe polarity):

BFC 200 TERMINAL		MARK 4000 DIALER TERMINAL
3 (-)	to	5 (-)
14 (+)	to	2 (+)

For dialer delay upon BURGLARY ACTIVATION ONLY, cut jumpers on DT socket and plug BFC 205 Delay Tube into DT socket. Refer to terminal label for socket location.

**MARK 4000 TELEPHONE DIALER CHANNEL A ACTIVATION**

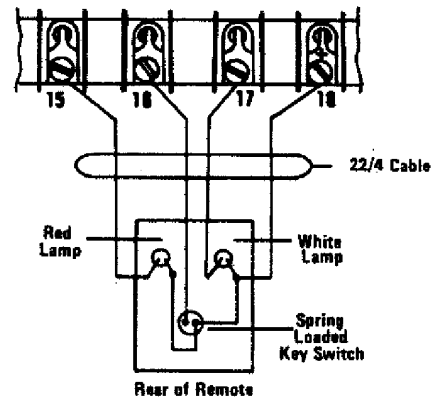


**FUNCTION:** REMOTE STATIONS

**TERMINALS:** 15, 16, 17 and 18

**EXPLANATION:** Use 4 conductor wire to incandescent remote stations. Connect Red (arm-disarm) lamp to terminals 15 and 18; White (loop status) lamp to 17 and 18; Spring loaded (momentary) key switch to 16 and 18. (Incandescent lamp remotes draw approximately 80 ma. each). When more than one remotes are used, connect them in parallel.

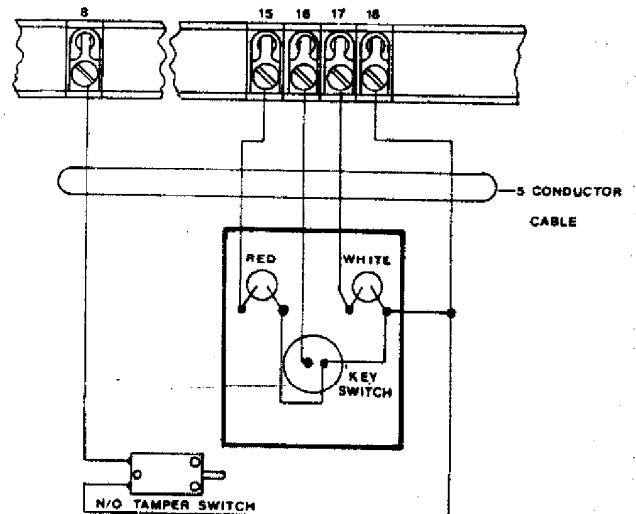
**REMOTE STATION CONNECTIONS**



**FUNCTION:** TAMPER PROTECTION FOR REMOTE STATION(S)

**TERMINALS:** 8 and 18

**EXPLANATION:** Use 5 conductor wire. Make connections to lamp and switch as above. Connect one side of fifth wire to normally open tamper switch (providing closure upon activation) and the other side to BFC 200 terminal 8. Connect other side of tamper switch to the wire of the 4 conductor leading to terminal 18.



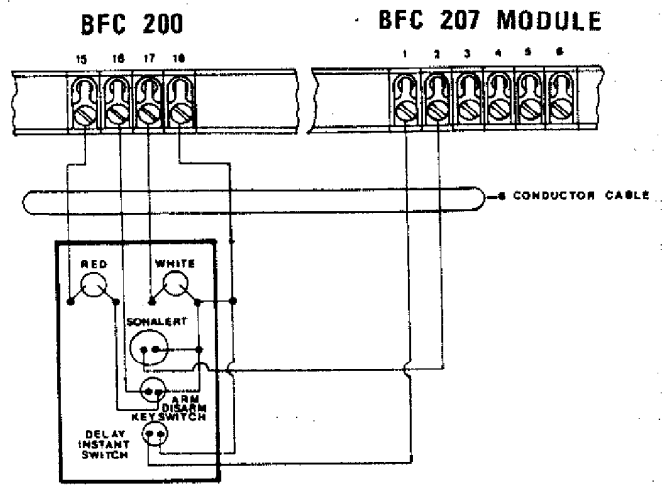
**FUNCTION:** INSTANT-DELAY SWITCH AND ENTRY DELAY WARNING SONALERT

**TERMINALS:** BFC 207 ENTRY-EXIT DELAY MODULE TERMINALS 1 AND 2 AND BFC 200 TERMINAL 18

**EXPLANATION:** When using the BFC 207 entry-exit delay module, entry delay warning Sonalert (Mallory SC 628) and delay instant selector switch connections to remote stations are as follows:

1. Using 6 conductor wire, make connections to lamps and switch as shown.
2. Connect BFC 207 Module terminal 1 to Instant-Delay switch. Connect other side of switch to the wire of 6 conductor leading to BFC 200 terminal 18.
3. Connect BFC 207 Module terminal 2 to negative of Sonalert. Connect positive of Sonalert to the wire of the 6 conductor connected to BFC 200 terminal 18.

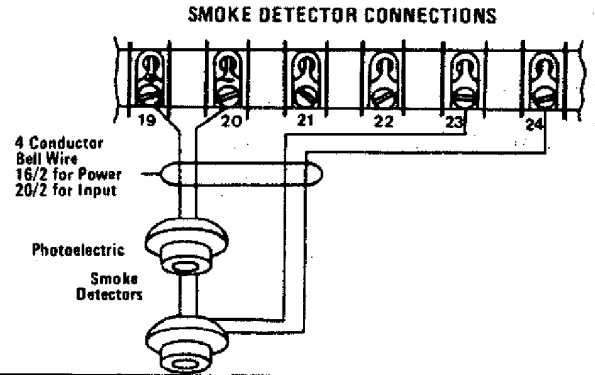
*NOTE: Where either a Sonalert or an Instant/Delay switch is mounted at remote station, use 5-wire cable. For example, mount Sonalert at inside remote near door. Mount Instant/Delay switch at remote in bedroom.*



**FUNCTION:** POWER SUPPLY FOR SMOKE DETECTORS

**TERMINALS:** 19 and 20

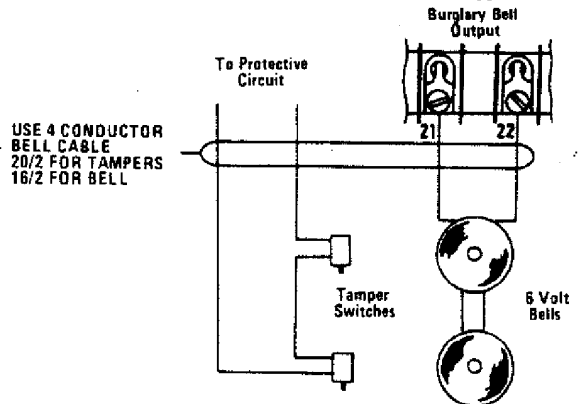
**EXPLANATION:** Provides approximately 6 volts DC. OBSERVE POLARITY. Quantity of detectors depends upon number of remote stations and bells used. Control supplies up to 3 amps; smoke detectors draw approximately ¼ amp each; 6 volt bells draw approximately ¼ amp each; incandescent remote stations draw approximately 80 ma each, LED remotes draw approximately 20 ma each. Connect N/O output relay contacts to Fire Circuit Input terminals 23 and 24.



**FUNCTION:** 6 VOLT DC BELL OUTPUT

**TERMINALS:** 21 and 22

**EXPLANATION:** Provides steady 6 volts DC (UP TO 3 AMPS) upon burglar alarm activation for bell(s) or siren. FOR AUTOMATIC CUT-OFF, cut jumpers over OPT socket and plug in optional BFC 209 cut-off module. These terminals DO NOT provide output upon fire alarm unless BFC 203 and BFC 204 bell pulsing modules are plugged in.



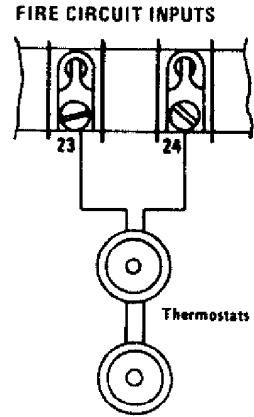
**FUNCTION:** AUTOMATIC BELL CUT-OFF AUTOMATIC RESET

**SOCKET:** "OPT" SOCKET

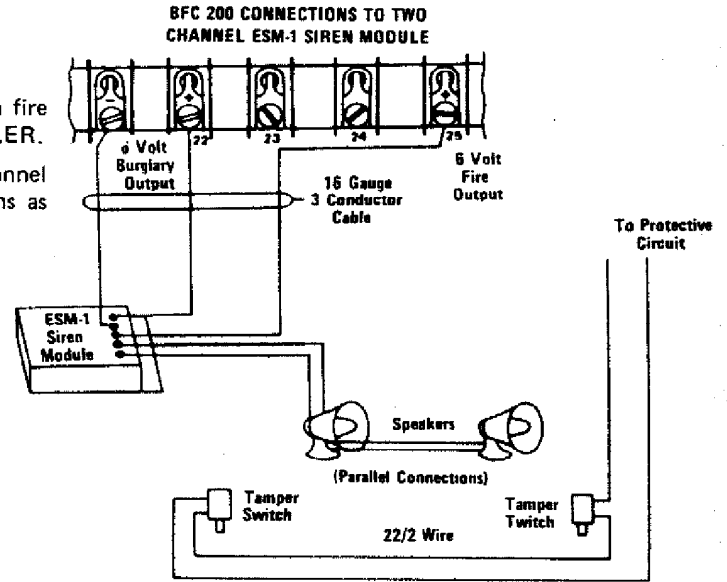
**EXPLANATION:** FOR AUTOMATIC BELL CUT-OFF and reset cut jumpers over OPT socket, plug BFC 209 cut-off module into OPT socket and plug BFC 210 automatic reset module into cut-off module. *Note: BFC 207 Entry/Exit Delay module contains built-in automatic reset. Cut jumper on module when automatic reset is desired. FOR BELL CUT-OFF WITH AUTOMATIC RESET USING ENTRY/EXIT MODULE, plug cut-off module into OPT Socket (cut jumpers over OPT socket) and plug Entry/Exit Module into socket on cut-off module (cut jumpers over socket on Cut-off module as well).*

**FUNCTION:** PULSING BURGLARY BELL UPON FIRE ALARM  
**SOCKET:** FT AND FR SOCKETS  
**EXPLANATION:** TO PULSE THE BELL ON FIRE ALARM, plug BFC 203 pulsing tube into FT socket and BFC 204 pulsing relay into FR socket. Output will also be provided from fire terminals 21 and 25 upon fire alarm.

**FUNCTION:** N/O FIRE INPUT  
**TERMINALS:** 23 and 24  
**EXPLANATION:** Connect to open circuit fire stats, rate of rise detectors, smoke detectors, etc. Closure triggers all fire outputs and Polarity Reversal Relay.

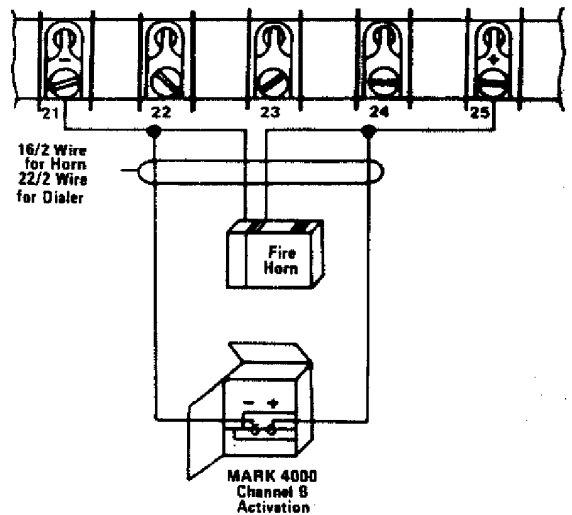


**FUNCTION:** 6 VOLT FIRE OUTPUT  
**TERMINALS:** 21 and 25  
**EXPLANATION:** Provides steady 6 volts DC (up to 3 amps) upon fire alarm activation for bell(s), horn(s), siren, or DIALER. For instant MARK 4000 Telephone Dialer, Channel B activation upon Fire Alarm, make connections as follows:



BFC 200	MARK 4000 CHANNEL B
21 (-)	5 (-)
25 (+)	6 (+)

**MARK 4000 TELEPHONE DIALER CHANNEL B ACTIVATION**

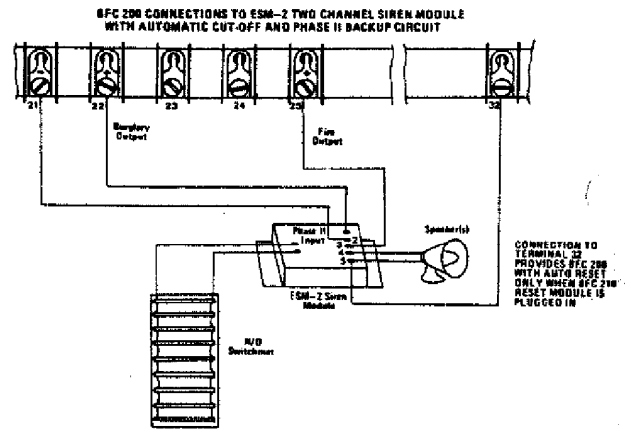


**FUNCTION:** N/O FIRE OUTPUT RELAY CONTACTS  
**TERMINALS:** 26 and 27  
**EXPLANATION:** Provide closure for duration of FIRE alarm activation. Contacts rated at 5 amps.

**FUNCTION:** N/O FIRE OUTPUT RELAY CONTACTS  
**TERMINALS:** 28 and 29  
**EXPLANATION:** Provide closure for duration of FIRE alarm activation. Contact rated at 5 amps.

**FUNCTION:** N/O BURGLARY OUTPUT RELAY CONTACTS  
**TERMINALS:** 30 and 31  
**EXPLANATION:** Provide closure for duration of BURGLAR alarm activation. Contacts rated at 5 amps.

**FUNCTION:** TO ESM-2 SIREN MODULE FOR AUTOMATIC RESET  
**TERMINALS:** 32  
**EXPLANATION:** For use only with ESM-2 Siren Module containing built-in 15 minute cut-off and PHASE II backup circuit. For BFC 200 auto reset following ESM-2 cut-off, connect BFC 200 terminal 32 to ESM-2 terminal 5 and plug BFC 210 automatic reset module into OPT socket. (Be sure to first cut jumper wires over OPT socket). BFC 209 cut-off module is NOT NEEDED when using the ESM-2 siren module.



**FUNCTION:** PROTECTIVE CIRCUIT  
**TERMINALS:** 33, 34, 35 and 36  
**EXPLANATION:** Terminals 33 and 34 form Negative (low) protective circuit loop. Terminals 35 and 36 form Positive (high) circuit loop. Connect switches, foil, traps, etc., into Positive protective circuit loop. Using 22/2 wire connect silver to terminal 33 and Copper to 35. Cut into copper wire for switches, foil, etc. Connect other side of silver loop to 34 and other side of copper loop to terminal 36. For Entry-Exit Delay, refer to BFC 207 option module below.

**FUNCTION:** NORMALLY OPEN INPUT  
**TERMINALS:** ACROSS PROTECTIVE CIRCUIT LOOPS  
**EXPLANATION:** Connect open circuit switches, switchmats, etc., across the protective circuit loops. A momentary closure triggers immediate alarm.

**PROTECTIVE CIRCUIT LOOPS**

