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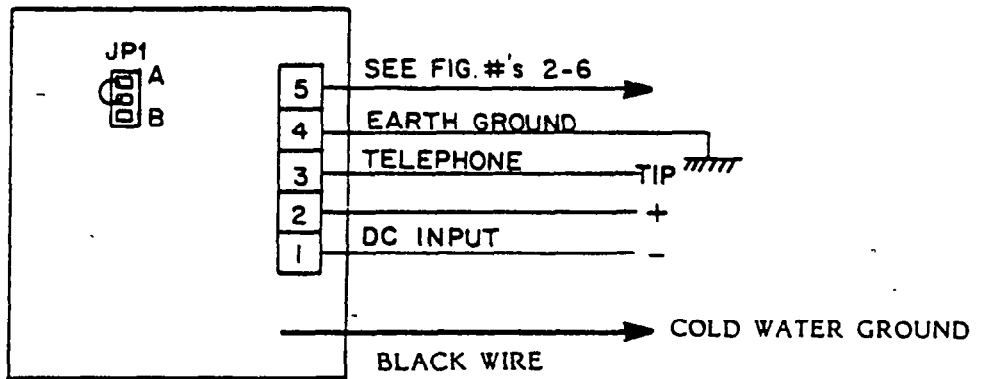
MODEL 117

INSTALLATION INSTRUCTIONS

117 GROUND START MODULE

The model 117 is activated when the dial pulse relay on the communicator is energized. The module then connects the tip side of the telephone line to cold water ground, through its N.O. dry contacts for one second, to initiate ground start.

FIG. 1



Terminals	Function
1 (-)	6-18V.D.C. Power input. DC current draw = 20MA, - Idle, 70MA. during 1 sec. ground start time.
2 (+)	
3	Telephone line - Tip
4	Cold water pipe ground
5	Trigger Signal Input - See figures 2-7.
JP1	A - Transition from (+) to (-). Use this position for all Fire Burglary Instruments Dialers. B - Transition from (-) to (+).

TABLE 1 WIRING INSTRUCTIONS

117 Terminals	113-A	XL-1215	XL-1218/1000	XL-1219UL/2000	XL1236/3000	119*
1	9	6	21	26	29	8
2	8	17	20	25	28	7
3	5	14	25	32	34	P2.Fig #7
4	Cold water pipe ground lug					
5	P1.Fig. #4	Figure #2	P1.Fig. #3	P1.Fig. #5	P3.Fig. #6	P3.Fig. #7
JP1	← 'A' POSITION →					

FIG. 2 XL-1215

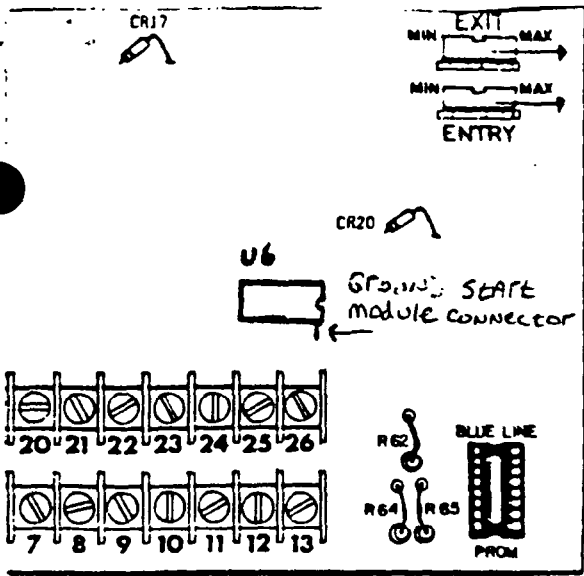


FIG. 3 100B-XL-1218

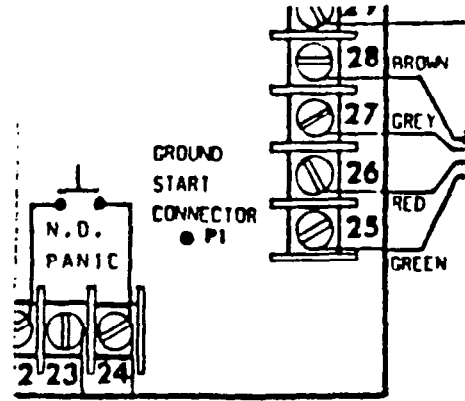


FIG. 4 ~~#3 BOARD~~
113-A/114 Communicator

old
113

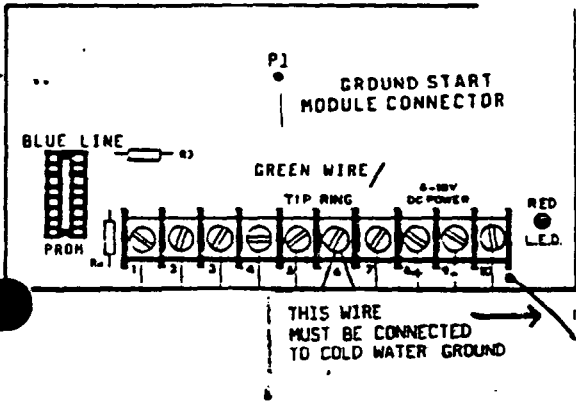


FIG. 5 H5-XL-1219-UL

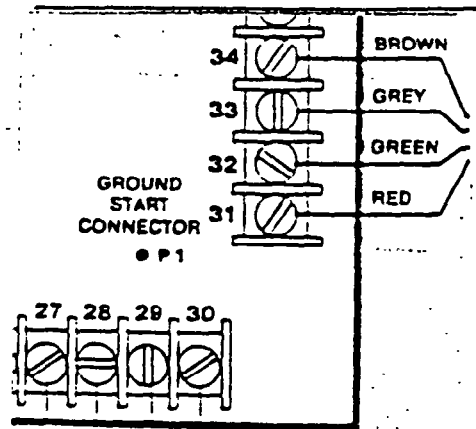


FIG. 6 XL-1213/XL-1216
~~1200 BOARD~~

Ground start module connection

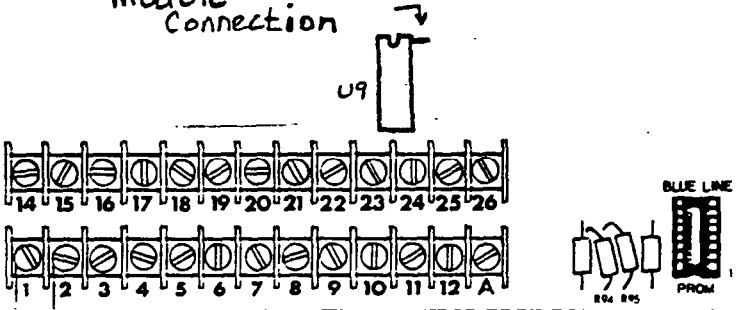
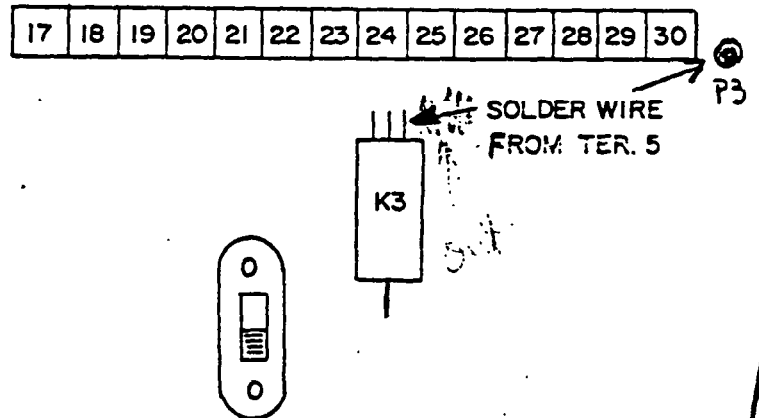


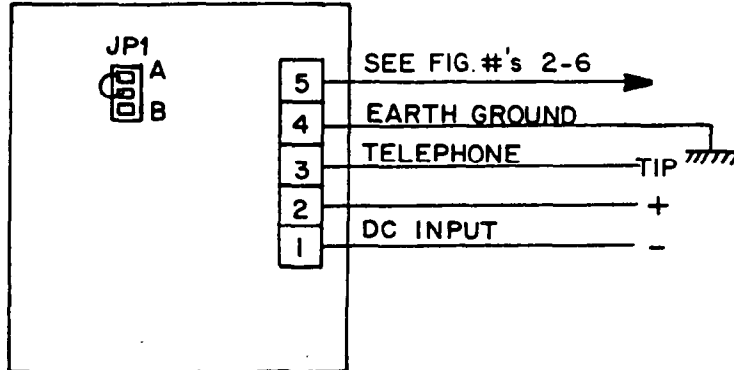
FIG. 7 1290-A



GROUND START MODULE

On command, typically from the line seizure relay in a dialer, the module connect tip to earth ground for one second, through its N.O. relay contacts. The command signal can be a voltage or ground to activate module.

FIG. 1



TERMINALS	DESCRIPTION
1 & 2	DC power input 5.2-18V. 1(-), 2(+). Current draw 20mA. During one second ground start time - 70mA.
3	Telephone line - Tip.
4	Earth Ground.
5	Command Signal - Transition from high to low or low to high depending on position of JP1. See Fig. #'s 2-5.
JP1	A - Transition from high to low - Use this position for Fire Burglary equipment. B - Transition from low to high.

215
 C16
 RM/16
 1213
 49

TABLE 1 WIRING INSTRUCTIONS

TERMINALS	115						
	100	100B	113	1064	1272	1290	1290-A
1	1	1	9	23	32	4	4
2	2	2	8	25	27	7	7
3	9	9	5	1 of 115	1 of 115	22	22
4	-----EARTH GROUND-----						
5	SEE FIG.2	SEE FIG.3	SEE FIG.4	SEE FIG.5		SEE FIG.6	SEE FIG.7
JP1	A	A	A	A		A	A

ADDENDUM

117 GROUND START MODULE

HOOKUP TO STAR XL4600, XL4800EZ, LEGEND 100

TABLE 1 WIRING INSTRUCTIONS

117 TERMINALS	XL 4600	XL 4800 EZ	LEGEND 100
1 -	22	16	16
2 +	19	17	17
3	15	19	19
4	23	18	18
5	FIG.1	P1	P1

NOTE: JP1 SET TO A FOR ALL LISTED

NOTE: FOR LEGEND & 4800 IT MAY BE NECESSARY TO INSTALL A
1 MEG. ~~10K~~ OHM RESISTOR FROM TERMINALS 2 TO 5 ON 117 ONLY IF
 THERE IS NO RESISTOR STUFFED FOR R87 ON THE CONTROL PANEL.
 R87 IS LOCATED ABOVE THE GROUND START PIN P1.

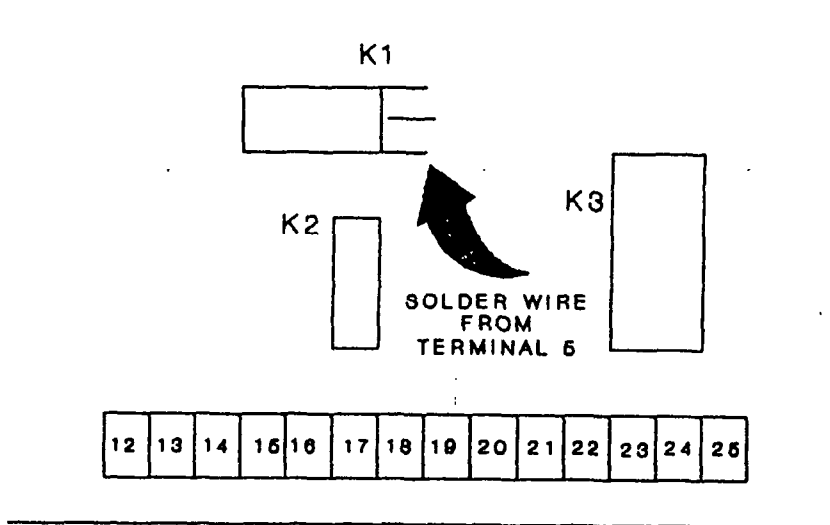


FIG.1
 XL4600 PARTIAL BOARD LAYOUT

I2508

12/26/89

FIG.2 100

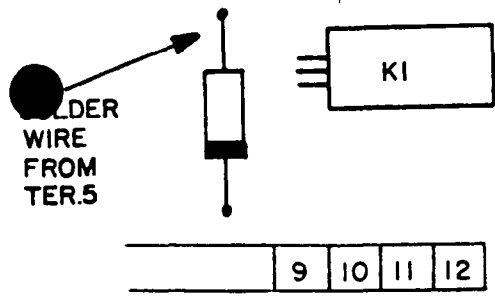


FIG.3 100B

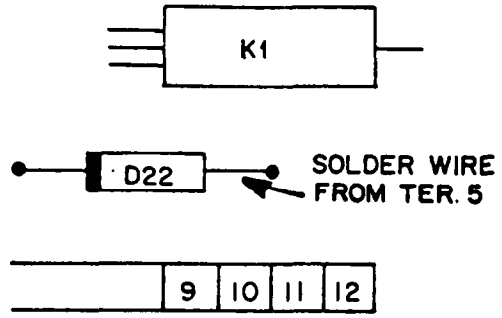


FIG.4 113 BOARD

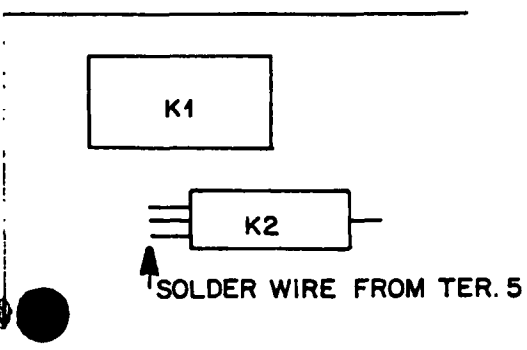


FIG.5 115

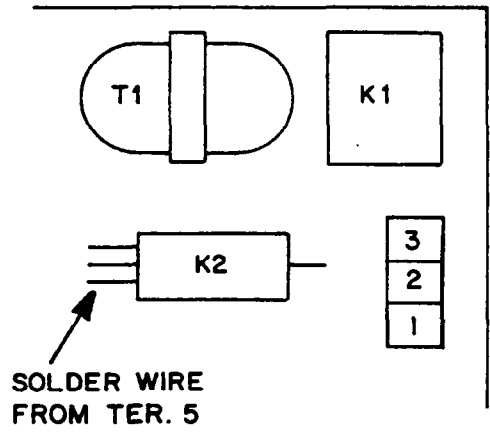


FIG.6 1290 BOARD

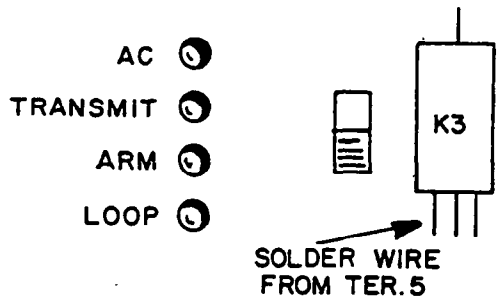


FIG.7 1290-A

