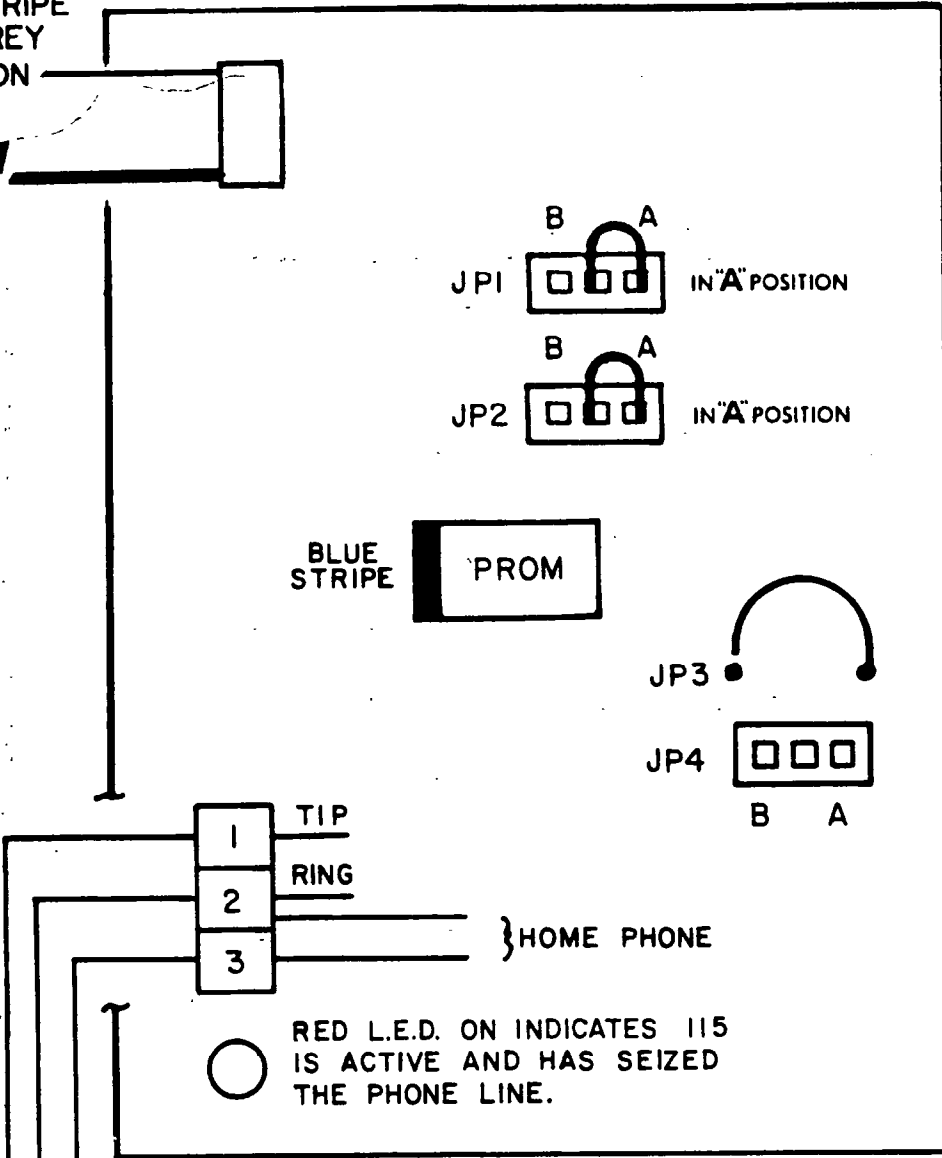


REVISED 115 PROGRAMMING INSTRUCTIONS
FOR USE WITH THE 1272

DISREGARD PROGRAMMING INFORMATION
ON PAGES 14 THRU 20 OF THE 1272
INSTALATION INSTRUCTIONS. USE THESE
REVISED 115 PROGRAMMING INSTRUCTIONS
WHICH ARE INCLUDED INSTEAD.

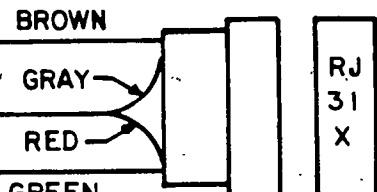
INTERCONNECT CABLE SUPPLIED WITH 115

RED STRIPE ON GREY RIBBON



RED L.E.D. ON INDICATES 115 IS ACTIVE AND HAS SEIZED THE PHONE LINE.

WHEN USING RJ31X TELEPHONE CONNECTION BOX, HOOK-UP AS FOLLOWS WITH 368 CORD.



GREEN NOT USED: BLUE, YELLOW, ORANGE AND BLACK.

BLUE WIRE WIRE IS NOT USED WITH 1272. TAPE END OF WIRE TO PREVENT SHORTING.



FIRE BURGLARY INSTRUMENTS, INC.

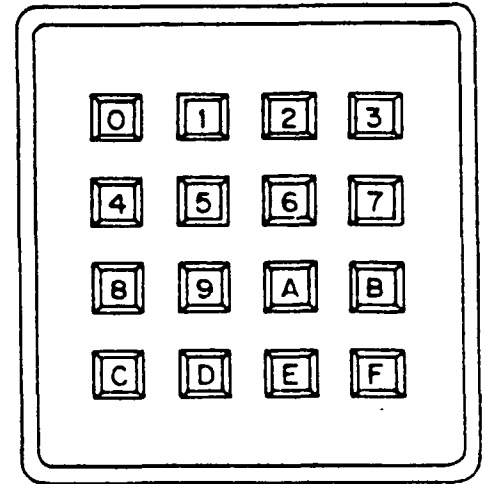
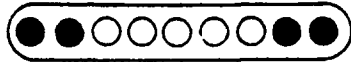


KEYPAD

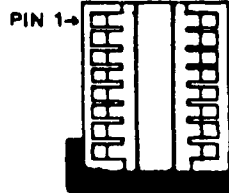
L.E.D. DISPLAY



FIRST TWO DIGITS ARE THE FIELD CODE



PROM SOCKET



FIELD CODE	FIELD NAME	FIELD NUMBER
OP	COMMON PHONE * PREFIX	1
1P	FIRST PHONE *	2
2P	SECOND PHONE *	3
3P	THIRD PHONE *	4
AF	* OF ATTEMPTS { * OF ACKNOWLEDGEMENTS	5
FF	RECEIVER TYPE	6
AC	ACCOUNT CODE	7
AL	ALARM CODES	8

110 PROGRAMMER

Model 110

MODE SWITCH:

Allows the programmer to make chips for 100B dialers, as well as the newer computer-based dialers.

QUADRANT SWITCHES 7 & 8:

Divide the prom into 4 separate segments, allowing four different programs to be stored on the prom. The switches are set to the prom segment in use.

ENTER SWITCH:

Prepares the programmer to receive a command. Switch must be pressed before moving into another field in the memory bank.

PROM SOCKET:

A blank prom placed in this socket can be burned with any information in the memory bank or a master prom can be placed in the socket and all of its information can be inserted into the memory bank. The 110 uses a National Semiconductor DM74S387N or MM1635140 J or P chip:

KEYPAD:

Used to enter information into memory and to move from field to field in memory.

PROGRAM SWITCH:

Takes the information in the memory bank and burns it onto a prom in the prom socket.

L.E.D. DISPLAY:

The first two digits display the field currently accessed. Field may be programmed for 11 digits or less. See programming instructions.

The filled holes in the display above are blank.

programming

The new 115 is a digital dialer which uses a program chip (prom).

Understanding the programming instructions, which follow, is essential because many outputs are possible with each activation. The dialer will transmit codes for either momentary or maintained inputs and restores. If a maintained input is aborted during transmission a choice of either an abort code, restore code or complete aborting of the transmission is programmable. The prom can also be programmed to test the dialer at 18 hour intervals, beginning from the last transmission. The dialer is also capable of accessing three different receivers, with each activation, and will shut down after being kissed-off by one or all receivers, depending on programming.

CAUTION: THERE SHOULD BE NO POWER ON THE 115 WHEN PROM IS INSERTED. PLUGGING IN PROM WITH POWER ON THE PANEL, WILL CAUSE THE DIALER TO TRANSMIT OUT OF PROGRAM.

RJ31X

Before using the digital dialer, the telephone company shall be requested to install a USOCRJ31X jack on the telephone line. Give the telephone company the FCC registration (AE398E-70112-AL-R) & the ringer equivalence (0.0B) numbers for the 115. Connect the 115 to an approved modular plug (#368) to mate with the RJ31X as shown

Should the 115 cause harm to the telephone network, the telephone company may temporarily discontinue service until the problem is corrected. Notice of such action will be given by the telephone company.

Should the telephone company make any changes to its facility or other requirements that could render the 115 incompatible, the customer shall be given adequate notice by the telephone company, in writing. Upon receipt of this information from the customer, the manufacturer shall advise the customer as to what actions must be taken to maintain uninterrupted service.

The Model 115 may not be connected to party lines or coin lines. If trouble is experienced, the 115 shall be disconnected from the phone line, by means of the plug shown to determine if the 115 is malfunctioning. If the 115 is malfunctioning, do not reconnect until the problem has been corrected.

The prom used is a Model F102 (74S387) and is programmed on our Model 110 programmer as follows:

- 1) Plug in the 110 programmer. OP should appear on the LED display.
- 2) Set Mode Switch, Quadrant Switch 7 and Quadrant Switch 8 to the desired positions.

<u>MODE SWITCH</u>	<u>QUADRANT SWITCH. 8</u>	<u>QUADRANT SW. 7</u>	<u>QUADRANT SELEC</u>
North	South	South	1
North	South	North	2
North	North	South	3
North	North	North	4

- 3) The first digit of the OP field will determine the dialer transmission for the fire or maint. panic channel. The fire or maintain panic channel can be activated with either a momentary or maintained closure with abort, restore code or abort code on abort depending on the programming.
- 4) The first digit will determine the operation of the fire or maint. panic channel of the digital dialer.

<u>Digit</u>	<u>Fire or Maint. Panic Input</u>	<u>Dialer Output</u>
0	Momentary	Fire or maint. panic code
1	Maintained	Fire or maint. panic code w/abort
2	Maintained	Fire or maint. panic code w/restore on abort
3	Maintained	Fire or maint. panic code w/abort code

All options may have restore programmed later in the procedure.

- 5) The second digit of the OP field will determine the dialer transmission for the day loop channel. The day loop channel can be activated with either a momentary or maint. closure abort restore code on or abort code on abort depending on the programming.
 Select one of the following digits in the first location of the field. This code will also determine if and when the dialer will transmit a test code. If a test code is desired it will be sent at 18 hour intervals after the last transmission.

The proper digit of program in the second location of the OP field is as follows:

<u>Digit</u>	<u>Fire Input</u>	<u>Dialer Output</u>	<u>Self Test</u>
0	Momentary	Day Loop Code	None
1	Maintained	Day Code w/Abort	None
2	Maintained	Day Code w/Restore Code on Abort	None
3	Maintained	Day Code w/Abort Code	None
4	Momentary	Day Code	18 Hr.
5	Maintained	Day Code w/Abort	18 Hr.
6	Maintained	Day Code w/Restore Code on Abort	18 Hr.
7	Maintained	Day Code w/Abort Code	18 Hr.

If both day loop and Self Test ARE NOT USED, program DIGIT 1.

If day loop is NOT USED, but Self test IS USED, program DIGIT 5.

All options may have restore programmed later in the procedure.

6) The third digit will determine the operation of the instant loop channel.

<u>Digit</u>	<u>Dialer Function</u>
0	Instant Loop Code
1	Instant Loop Code w/Abort
2	Instant Loop Code w/Restore on Abort
3	Instant Loop Code w/Abort Code

All options may have a restore programmed later in the procedure.

7) The fourth digit of the OP field will determine the dialer transmission for the delay loop channel. The delay loop channel can be activated with either a momentary or maintained closure with abort, restore code or abort code on abort depending on the programmin. The proper digit to program in the fourth location of the OP field is as follows:

<u>Digit</u>	<u>Delay Loop Input</u>	<u>Dialer Output</u>
0	Momentary	Delay Loop Code
1	Maintained	Delay Loop Code w/Abort
2	Maintained	Delay Loop Code w/Restore on Abort
3	Maintained	Delay Loop Code w/Abort Code

All options may have restore programmed later in the procedure.

8) Beginning with the fifth digit of the OP field if a common prefix is needed For all receiver, (9, area code, etc.) It may be keyed in here. If a time delay is needed before or between digits, key in "C" where the delay (3 secs.) is needed.

9) Press ENTER switch, then 9. 1P should appear on the LED display. Key in the first telephone number. Up to 11 digits may be used.

- Information must be entered in this field -

10) Press ENTER switch, then 9. 2P should appear on the LED display. Key in the second telephone number. Up to 11 digits may be used. If no number is needed, leave blank..

11) Press ENTER switch, then 9. 3P should appear on the LED display. Key in the third telephone number. Up to 11 digits may be used. If no number is needed, leave blank.

12) Press ENTER then 9. AF should appear on the LED display. The first digit in this field will determine the number of attempts the dialer will make to reach the receiver.

See chart below:

No. of Attempts	Use Digit	No. of Attempts	Use Digit	No. of Attempts	Use Digit
1	1	7	7	12	C
2	2	8	8	13	D
3	3	9	9	14	E
4	4	10	0	15	A
5	5	11	B	unlimited	F
6	6				

IMPORTANT: When F is pressed, the number does not display, but the space is left blank. The second digit in the field will determine the number of receivers the dialer must access before it shuts down. Select as follows:

Any one receiver - 8

All receivers - C

13) Press ENTER, then 9. FF should appear on the LED display. This field will determine receiver format. One digit must be keyed in for each phone number programmed. See chart for selecting the proper receiver code:

RECEIVER TYPEUSE DIGIT

Franklin	1
DCI	1
Sescoa	1
Radionics (2300)	1
Radionics (1400)	3
Adcor CDR 50	3
Ademco without Kiss-off	4
Ademco with Kiss-off	5
Silent Knight without Kiss-off	6
Silent Knight with Kiss-off	7

Information must be entered in this field.

- 14) Press ENTER, then 9. AC should appear on the LED display. Key in a 3 or 4 digit account code.

- Information must be entered in this field -

- 15) Press ENTER, then 9. AL should appear on the LED display. Key in digits for the following alarms.

(Program an "F", which leaves a blank, for any row NOT BEING USED)

<u>Row</u>	<u>Description</u>	<u>Code</u>
1	Fire or Maintained Panic	0-9 or F
2	Day Loop	0-9 or F
3	Instant Loop	0-9 or F
4	DelayLoop	0-9, A or F
5	Closing/Momentary Panic	0-9, C or F
6	Opening/Momentary Panic	0-9, B or F
7	Restore - Fire or Panic	0-9, E or F
8	Restore - Day Loop	0-9, E or F
9	Restore - Instant Loop	0-9, E or F
10	Restore - Delay Loop	0-9, E or F
11	Abort/Test	0-9, D or F

NOTE: For English Language Printout of Codes use:

A	-	Trouble
B	-	Opening
C	-	Closing
D	-	Abort
E	-	Restore

Use "A" if Auxiliary channel is being used to monitor TROUBLE. . . such as high or low temperature.

16) CHECK THE DATA. All information has now been entered into the fields.

By pressing ENTER, then 9, the information, (Which is now in memory), can be checked and corrected if necessary. If a field must be changed or corrected, to go to that field, press ENTER, then the corresponding field number. The correct information may now be keyed in.

17) If all data is correct, a blank prom can now be inserted and "Burned" by pressing the Program switch momentarily. If the prom burns correctly, the word "FINISH" will appear on the LED display. If a different program is already on that quadrant, or if the prom is "Burned" incorrect, the words "NO CAN DO" will appear on the LED display. If "FINISH" does not display, that particular quadrant of the prom is not accepting the program and cannot be used again.