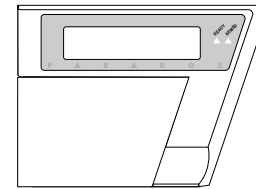


# ***///ESPRI***

## ***MODEL 639 KEYPAD***



### **Installation Manual**

**P ▲ R ▲ D O X**  
**S E C U R I T Y S Y S T E M S**  
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**P ▲ R ▲ D O X**  
**S E C U R I T Y S Y S T E M S**

IM639 970204-0000

## ***Esprit Model 639 LCD Keypad***

### **Description**

The Esprit Model 639 LCD Keypad is compatible with all Esprit Series 8 control panels (version 3.0 onward). Standard preprogrammed information is presented in English, and most installer-programmable information can be entered in the language of your choice. The large 16-character LCD illuminated display can be adjusted for brightness and contrast. Information is easy to retrieve, and when correctly programmed, simple for the end user to understand as it shows automatically all the information you need to know about your panel.

The standard Esprit keypad layout is enhanced by the addition of three more keys; **[+]**, **[INFO]**, and **[-]**. The **[+]** and **[-]** keys can be used to scroll through information at sequential locations (i.e. to scroll zones from 1-12 and 13-24). To reach zones to be bypassed, press **[2ND]** (i.e. if the display shows zones from 01-12, pressing **[2ND]** displays zones 13-24 the ↓ indicates that you are in the 13-24 zone display mode), pressing **[2ND]** again displays zones 1-12. Enter the key numbers corresponding to the zones you wish to "bypass". Press again on the zone key if you wish to undo a zone selection.

When in "Trbl" display, pressing **[2ND]** provides a value for the power supply voltage (0-255 in decimals). Multiply the value by 0.09 to get the actual power supply voltage.

Control panel programming is performed in the usual manner, either from the keypad or from a computer, using **Esplod** up/downloading software. Keypad programming can be conduct-

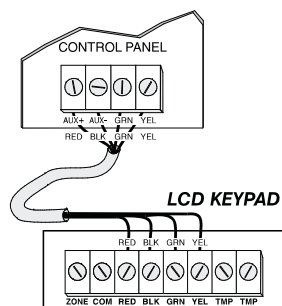
ed by it's own programming sections, by downloading from another keypad or by **Esplod** (upload/download), version 2.4 onward.

Keypad programming permits personalized information to be entered into the LCD display. This information can include zone descriptions, time and day of the week, and a special customized message stored in the keypad which can then be activated by a computer download command from **Esplod**.

**(Important:** The Esprit 639 LCD “top view” LCD display should be installed at user “eye level” or lower to provide optimum display clarity and visibility.)

#### KEYPAD CONNECTION

The four keypad connections labeled “RED”, “BLACK”, “GREEN” and “YELLOW” should be connected to the corresponding colour terminals on the control panel PC board. See the following diagram.



#### Installer Programming and End User Programming

“Installer programming” mode permits trained personnel to carry out all programming functions of the 639 LCD keypad. In addition, the end user has limited access to perform certain simple programming functions. These functions, as well as basic programming instructions, are described in a separate “End User” manual.

#### “Teaching” Programmed Information to Additional Keypads

A special serial cable, equipped with a 4 pin connector on each end, is available for Esprit keypad programming. After one LCD keypad in a system has been completely programmed, it can be used to “teach” the programming to other keypads, by means of this special cable. Complete instructions on how to conduct this operation appear on page 18 of this manual. Keypads can be uploaded or programmed by **Esplod** through a serial LCD adapter, see page 19 of this manual.

#### “Day of the Week” and “Time of Day” Display

Both “day of the week” and “time of day” can be viewed in the LCD display, and are easily programmed in “keypad programming” mode.

#### CUSTOM PROGRAMMING OF THE LCD KEYPAD

##### Installer Programming

The 639 LCD keypad contains its own microprocessor which controls the display and other LCD display functions. This processor operates independently of the control panel processor, and must be accessed separately, using a special “Installer Keypad Programming” code.

The control panel should be programmed in either of the usual ways, by means of standard keypad commands or using Espload from a PC. (Please refer to your panel installation manual for complete information on panel programming.) Keypad programming must be conducted at the keypad. Once control panel programming is complete, enter "Keypad Programming Mode" in this way:

Press **[CLEAR]**.

Press **[ENTER] [KEYPAD PROGRAMMING CODE]** (Default code is **0000**)

A short series of beeps will be emitted by the keypad.

"**KEYPAD MODE SECTION: \_\_\_\_\_**" appears in the display.

Enter three digits representing one of the programming addresses, and program the required information.

#### **Address 000 Day of the Week/Time of Day Programming**

The display will read "**DAY:** (followed by the currently programmed day of the week)". The 2nd row of the display reads: "press **[1]** to **[7]**". To program the correct day, find the number corresponding to the day of the week on the list below, and press the single digit shown for that day, followed by **[ENTER]**.

<b>[1]</b> = <b>SUN</b> day	<b>[5]</b> = <b>THU</b> rday
<b>[2]</b> = <b>MON</b> day	<b>[6]</b> = <b>FRI</b> day
<b>[3]</b> = <b>TUE</b> sday	<b>[7]</b> = <b>SAT</b> urday
<b>[4]</b> = <b>WED</b> nesday	

*Example:* To program "Thursday", in keypad programming mode, at address **000**, press **[5] [ENTER]**.

After selecting the required day and pressing **[ENTER]**, the keypad will advance to the "time of day" setting. The display now reads "**TIME**", followed by the currently programmed time of day. The second row of the display reads: "Enter in 24 Hrs".

To modify the time programmed, enter the four (4) digits corresponding to the required time, according to the "24 hour clock".

After the 4 digits have been entered, you will hear a "confirmation" beep, indicating that the time programmed has been automatically saved in memory.

Ex.: To program **4:05 p.m.**, enter **16:05** by pressing **[1] [6] [0] [5]**. Once the correct keypad time has been programmed, press **[ENTER]**. The LCD display will return to the "**KEYPAD MODE SECTION: \_\_\_\_\_**" message. Enter the next address.

#### **IMPORTANT: "Panel time" MUST ALSO be programmed.**

"One-key access" programming can be used to set panel time. Press **[ENTER]**, followed by the panel's installer, master or user code 1. Press **[MEM]**, then enter 2 digits (**00** to **23**) for hours, and 2 digits (**00** to **59**) for minutes.

#### **Streamline section (001-036, 100-201)**

In this section, pressing **[ENTER]** saves the data and advances to the next address automatically. By pressing **[CLEAR]**, the keypad waits for an address: "Keypad mode", "Section:".

**Address 001 - 024**

Add. **001** = Zone 1 description  
 Add. **002** = Zone 2 description  
 Add. **003** = Zone 3 description  
 Add. **004** = Zone 4 description  
 Add. **005** = Zone 5 description  
 Add. **006** = Zone 6 description  
 Add. **007** = Zone 7 description  
 Add. **008** = Zone 8 description  
 Add. **009** = Zone 9 description  
 Add. **010** = Zone 10 description  
 Add. **011** = Zone 11 description  
 Add. **012** = Zone 12 description

**Zone descriptions**

Add. **013** = Zone 13 description  
 Add. **014** = Zone 14 description  
 Add. **015** = Zone 15 description  
 Add. **016** = Zone 16 description  
 Add. **017** = Zone 17 description  
 Add. **018** = Zone 18 description  
 Add. **019** = Zone 19 description  
 Add. **020** = Zone 20 description  
 Add. **021** = Zone 21 description  
 Add. **022** = Zone 22 description  
 Add. **023** = Zone 23 description  
 Add. **024** = Zone 24 description

Complete instructions on how to program zone description information and other keypad messages are found below.

**“Special Function Keys”**

Entries at addresses **001 - 025** can be made in any language. In order to enter information, the following function keys should be used, in combination with the number keys on the keypad.

**[11]** Toggles between “**alpha**” and “**numeric**” modes. Ex.: Pressing key **[1]** will cause the digit “1” to appear in the display. By pressing key **[11]** before pressing key **[1]**, the keypad will switch to “alpha” mode and display an “a”. (Pressing key **[1]** a second time will cause the display to show the letter “b”, and a third press of key **[1]** will result in the letter “c” being displayed.)

**[2ND]** Toggles between **UPPER** and **lower** case on a letter.

**[12]** If you press **[12]**, you must enter the three digit code corresponding to the character or press **[CLEAR]** to exit **ASCII** mode. The **ASCII** mode can be used to enter special characters in the display, like asterisks, apostrophes, arrows, etc. These characters may be chosen by entering the three digit code corresponding to the required symbol found in the chart on the last page of this manual.

**[TRBL]** Inserts a space between characters/words.

**[MEM]** Deletes a character.

**[BYP]** Deletes from the cursor position to the end of the line.

**[+]** Moves cursor to the right.

**[-]** Moves cursor to the left.

**Programming Numbers in the Keypad Display**

Numerals may be entered as follows:

Key <b>[1]</b> = 1	<b>[2]</b> = 2	<b>[3]</b> = 3	<b>[4]</b> = 4	<b>[5]</b> = 5
<b>[6]</b> = 6	<b>[7]</b> = 7	<b>[8]</b> = 8	<b>[9]</b> = 9	<b>[10]</b> = 0

**Programming Words in the Keypad Display**

Use key **[11]** to enter “alpha” mode. The letters of the alphabet can then be programmed, according to the “**Alphabetical Characters**”.

Alphabetical Characters			
Key	Press key once	Press key twice	Press key 3 times
[1]	A	B	C
[2]	D	E	F
[3]	G	H	I
[4]	J	K	L
[5]	M	N	O
[6]	P	Q	R
[7]	S	T	U
[8]	V	W	X
[9]	Y	Z	

**Example: “Programming a Zone Description”**

To enter zone 7 description “Patio Door”, in “Keypad Programming” mode, press the following keys in the order indicated.

- a) [0] [0] [7] (Address for Zone 7)
- b) [11] (switches to “alpha” mode)
- c) [6] (letter “p” appears in display)
- d) [2ND] (“p” switches to upper case “P”)
- e) [+] (Moves cursor one space to the right)
- f) [1] (Letter “A” appears)
- g) [2ND] “A” switches to lower case “a”
- h) [+] (Moves cursor one space to the right)
- i) [7] [7] (Letter “t” appears)
- j) [+] (Moves cursor one space to the right)
- k) [3] [3] [3] (Letter “i” appears)
- l) [+] (Moves cursor one space to the right)

- m) [5] [5] [5] (Letter “o” appears)
- n) [+] [+] (Cursor moves right two spaces)
- o) [2] (letter “d” appears)
- p) [2ND] (“d” switches to upper case “D”)
- q) [+] (Moves cursor one space to the right)
- r) [5] [5] [5] (Letter “O” appears)
- s) [2ND] (“O” switches to lower case “o”)
- t) [+] (Moves cursor one space to the right)
- u) [5] [5] [5] (Letter “o” appears)
- v) [+] (Moves cursor one space to the right)
- w) [6] [6] [6] (Letter “r” appears)
- x) [ENTER] (Information is saved in memory and programming advances to the next address.)

**Address 025 Customized Message**

A message with a length of up to 16 characters may be programmed at address **025**, with the same character entry method used in “Zone Descriptions”. This message will not appear in the keypad display after exiting programming mode, until the **Espload** command “**LCD MSG**” (LCD message) is sent to the keypad during computer download. (Espload must be in “panel monitoring” mode, and will indicate that the feature has been activated by the message “LCD message displayed”.)

The preprogrammed message should be deactivated using **Espload**. It will also be automatically deactivated when the panel is powered down.

### Address 026      Creating a New Installer Keypad Programming Code

A new Installer Keypad Programming code should be created to replace the factory default code of “0000”. The new 4-digit code permits access to **keypad programming only**, and must be different from any other installer code used in the alarm system and also different from any found on other LCD keypads in the system.

To create an Installer Keypad Programming code, go to address **026**. The display will read “KEYPAD CODE”. The 2nd line reads: “NEW CODE” followed by the current code. You must key in the four digits of the new code and **[ENTER]**. If a 5th key is pressed the code reverts to the original value.

Example: To create the Installer Keypad Programming code 9999, in programming mode, press **[0] [2] [6], [9] [9] [9] [9]**, followed by **[ENTER]**. The Installer Keypad Programming code is now 9999, and programming advances to address **028**.

### Address 028      LCD Contrast Adjustment

At this address, the display reads “Contrast Adj.00” and the 2nd line reads: “press (+, -)”. Press the **[+]** or **[-]** keys to increase or decrease the contrast level as required. When the desired contrast level is reached, press **[ENTER]**. (The maximum contrast level is “00”, and on keypad reset, the level always reverts to “00”.)

### Address 029      LCD Backlight Adjustment

At this address, the first time the keypad is programmed, the display reads “Backlite Adj.00” and the 2nd line shows: “press (+, -)”. Each time the **[+]** key is pressed, the number in the display will

change, and the display illumination level will increase. The maximum numeric reading is “07”, and at this point the maximum illumination is achieved. When the desired illumination level is reached, press **[ENTER]**. Programming will advance to address **030**.

### Address 030      Chime Zone Selection/Keypad Mute

At address 30, the LCD message reads “CHIME & MUTE” and the 2nd line indicates “key “on” = enabled”. Zones 1 to 12 and keypad zones can be programmed on the Esprit 639 keypad.

Press the corresponding key to activate the chime zone. For example, Key “1”= chime zone 1, Key “2”= chime zone 2, etc. Chime zone is heard only when zones 1 to 12 are displayed.

#### *Keypad zone chimes*

The **[TRBL]** key must be pressed for the first keypad zone’s “chime” feature to be activated, and the **[2ND]** key must be pressed to activate the second keypad zone’s “chime” feature.

### Keypad Mute

To mute the keypad, so that no sounds will be generated by system activity unless keys are actually pressed, press **[BYP]**. (Press **[BYP]** again to deactivate “mute” feature).

### Address 032      Keypad Options

At address **032**, the number of keypad zones and assignment of keypad zone numbers (1 or 2) can be selected. In addition, the “keypad zone supervision” feature can be activated if required. Desired options can be selected at address **032** by toggling “on” or “off” necessary key(s). “KEYPAD OPTIONS” message appears in the display. Second line shows “KEY: ON = ENABLED”, if no options

are activated, or if options are activated, indicates which ones. The “on” or “off” status of keys determines which keypad options are enabled, according to the definitions found in the following table:

Key	Feature	Key light OFF	Key light ON
[1]	ATZ keypad zone doubling	<i>Disabled</i>	<i>Enabled</i>
[2]	Keypad zone shown on keypad as Kpd1/Kpd2***	<i>Kpd 1</i>	<i>Kpd 2</i>
[3]	Keypad zone supervision	<i>Disabled</i>	<i>Enabled</i>
[4]	Keypad Clock mode	<i>Refreshed by panel</i>	<i>Stand alone</i>
[5]	Arming display	<i>Panel with less than 12 zones</i>	<i>Panel with more than 12 zones</i>
[6]	Partitioning	<i>Disabled</i>	<i>Enabled</i>
[7]	Operation mode	<i>Master</i>	<i>Slave</i>

#### Address 032, key [1]

#### KEYPAD ZONE CONNECTION

A “single” keypad zone (**key [1] “off”**) can be configured for N.C. and/or N.O. contacts using 1 zone resistor (see page 23, “single keypad zone” connection). Activation of “ATZ” keypad zone doubling (**key [1] “on”**) reduces wiring and installation requirements by permitting connection of two distinct zones per input (loop) on the same pair of wires. Each zone can be reported separately, using different resistor values. First keypad zone (regular zone) is identified by a **1K $\Omega$**  resistor, and second keypad zone (doubled zone) is identified by a **2.2K $\Omega$**  resistor (see page 24, “two keypad zones” connection).

#### Address 032, key [2]

#### KEYPAD ZONE DISPLAY

This key’s function is only applicable when key [1] is “off” (ATZ zone doubling is **disabled**.) \*\*\*When “zone doubling” is disabled, you can select which zone will be displayed as the keypad zone by the control panel. For keypad zone assignment, refer to the following table. Activate or deactivate key [2] according to which of the two possible keypad zones should be reported and displayed as the keypad zone for the particular control panel model being used.

Esprit panel model	Kpd 1 Key [2] “off”	Kpd 2 Key [2] “on”
<b>728 Express</b>	<b>5</b>	<b>6</b>
<b>728</b>	<b>5</b> (no ATZ; <b>9</b> (with ATZ)	<b>6</b> (no ATZ; <b>10</b> (with ATZ)
<b>738 Express</b>	<b>7</b>	<b>8</b>
<b>738</b>	<b>7</b> (no ATZ; <b>13</b> (with ATZ)	<b>8</b> (no ATZ; <b>14</b> (with ATZ)
<b>748 Express</b>	<b>13</b>	<b>14</b>
<b>748</b>	<b>13</b>	<b>14</b>
<b>748ES</b>	<b>13</b>	<b>14</b>

#### Address 032, key [3]

#### KEYPAD ZONE SUPERVISION

**Key = “on”:** Enable “keypad zone supervision” on control panel (Address **090**, key **[11]** “on” for keypad zone 1, key **[12]** “on” for keypad zone 2) for each keypad zone to be supervised. Refer to the panel installation manual for further instructions.

**Key = “off”:** Disabled.

#### Address 032, key [4]

#### KEYPAD CLOCK MODE

**Key = “on”:** Keypad clock runs independently.

**Key = “off”:** Keypad clock is refreshed by the panel.



**Address 032, key [5]****ARMING DISPLAY**

**Key = "off":** Arming display for panels with less than 12 zones.

**Key = "on":** Arming display for panels with more than 12 zones.

Option selection must correspond to the panel connected to keypad.

**Address 032, key [6]****CONTROL PANEL PARTITIONING**

**Key = "off":** If the control panel is armed in "stay" or "away" mode, the display will read: "STAY ARMED" or "SYSTEM ARMED".

**Key = "on":** If control panel partitioning is enabled, when system is armed, the display will read: "A ARMED" or "B ARMED" or "A&B ARMING".

**Address 032, key [7]****OPERATION MODE**

This feature must only be activated with panels featuring more than 12 zones (738, 748, 748EX, 748ES). Only one keypad can be a master and an LED keypad must be used in "mute" mode.

**Key = "off":** Master mode.

**Key = "on":** Slave mode.

**Address 034 Installer Keypad Lockout**

To protect installer-programmed information in the 639 keypad from unauthorized or accidental modification, enable the "Installer Keypad Lockout" feature. When enabled, only individuals possessing the new Installer Keypad Programming code can gain access to keypad programming mode. To erase programmed information, enter programming address **034** and disable the "Installer Keypad Lockout" feature. At address **034**, the message "KEYPAD LOCK, PRESS 1, 4, 6 ONLY" will appear in the LCD display.

"Installer Keypad Lockout" is **enabled** only when keys **[1]**, **[4]** and **[6]** are "on" at address **34**, the state of the lower two rows of keys is irrelevant. The display will read "Keypad: locked". If any other combination of keys is entered at this address, the "Installer Keypad Lockout" feature is **disabled**. The display will read "Keypad: unlocked". If installer keypad lockout is disabled, installer-programmed data can be erased in the following manner:

1. Place a jumper across the two pins on the bottom left side of the back of the LCD keypad circuit board (to the left of the bottom corner of the processor chip.)
2. Disconnect keypad from its power source.
3. Restore power to the keypad, wait until start up is finished.
4. Remove jumper.

The keypad will now automatically revert to factory default values, and all installer-programmed information from addresses **026** to **034**, will be erased.

**Address 036 Scrolling Delay**

At this address, you can set the period of time during which a message is displayed before the keypad advances to the next message in the display. When you press **[0] [3] [6]** the display will show: "SCROLLING DELAY" on the first line and "DELAY: **002 SEC.**" on the second line. Key in desired time from 001-004 seconds. After entering the 3 digit, press **[ENTER]** to save the value in memory or enter a 4th digit to reset the original value.

**Important:** If you have more than one LCD keypad, the scrolling delay must be the same on each one.

## Addresses 100 - 201 Display Editing

Many of the LCD messages displayed can be edited to fit your requirements. Enter the address corresponding to the message to be edited, and make desired changes using the same procedures as for "zone name programming" (addresses 001-024). The following table shows a list of all available messages; asterisks indicate empty spaces.

Address	Prog. Message	Address	Prog. Message
100	***Zones*Open***	124	Address:*****
101	**System*Ready**	125	Section:*****
102	*****ALARM*****	126	***Clock*Mode***
103	***Exit*Delay***	127	Auto-Arming*Time
104	**System*Armed**	128	*Key*In*Address*
105	***Stay*Armed***	129	Streamline*Mode*
106	*Zones*Tamper***	130	Enter*In*24*Hrs*
107	*****A*Armed****	131	Press*[1]*To*[7]
108	*****B*Armed****	132	***Time***:*****
109	*****A&B*Armed***	133	**Chime*&*Mute**
110	*Bypassing*Mode*	134	Contrast*Adj.***
111	*Stay/*A*Arming*	135	Backlite*Adj.***
112	*Away/*B*Arming*	136	***Press*(+,-)**
113	**Bypass*Recall*	137	*****Battery*****
114	*Enter*Code*For*	138	**Power*Supply**
115	Programming*Mode	139	*****No*Bell****
116	*Alarm*in*Mem***	140	Max*BELL*Output*
117	***Press*[MEM]**	141	Max*"AUX"*Output
118	*****Trouble*****	142	*Communication**
119	**Power*Supply**	143	***Timer*Loss***
120	**Press*[TRBL]**	144	*****Tamper*****
121	*Zones*Bypass***	145	***Phone*Line***
122	Press*[BYP]+Code	146	***Fire*Loop***
123	Duress*****	147	Event*List*Mode*

148	**PARADOX*LCD***	175	Timer*Loss***
149	EMERGENCY*CALLS*	176	*Pwr*Sup*Lvl*
150	*****POLICE*****	177	Disarming*****
151	*****AMBULANCE***	178	Arming*****
152	*****FIRE*****	179	Alarm*****
153	*Tel.:****-*****	180	Restore*****
154	*Tel.:****-*****	181	Bypass*****
155	*Tel.:****-*****	182	Tamper*****
156	***Sun****:*****	183	Test*Report**
157	***Mon****:*****	184	Panic*****
158	***Tue****:*****	185	Late*To*Close
159	***Wed****:*****	186	No*Movement**
160	***Thu****:*****	187	Partial*Arm**
161	***Fri****:*****	188	Recent*Close*
162	***Sat****:*****	189	Aux.*Restore*
163	****Day*.*Sun***	190	Bell*Restore*
164	****Day*.*Mon	191	Batt*Restore*
165	****Day*.*Tue	192	Power*Restore
166	****Day*.*Wed	193	Fire*Restore*
167	****Day*.*Thu	194	Timer*Restore
168	****Day*.*Fri	195	Tamper*Rest.*
169	****Day*.*Sat	196	Phone*Restore
170	Auxiliary****	197	Phone*Line***
171	Bell*****	198	Communication
172	Battery*****	199	Alarm*Reset**
173	Power*Supply*	200	Prg*Espload**
174	Fire*Loop****	201	Prg*Installer

Depending on the programming mode, some characters in the previous list of messages are always used and may be overwritten. The characters are shown as # in the next table:

Mode	Original Message	Characters (#)
All	Section:*****	Section:*****###
	***Zones*Open***	***Zones*Open###
	***Time***:*****	***Time***:*****
	*Pwr*Sup*Lvl*	#Pwr*Sup*Lvl#
	***Sun***:*****	***Sun***:*****
	***Mon***:*****	***Mon***:*****
	***Tue***:*****	***Tue***:*****
	***Wed***:*****	***Wed***:*****
	***Thu***:*****	***Thu***:*****
	***Fri***:*****	***Fri***:*****
	***Sat***:*****	***Sat***:*****
Bypass	*Zones*Bypass***	#Zones*Bypass###
Memory	*Alarm*in*Mem***	*Alarm*in*Mem###
Trouble	****Trouble*****	****Trouble****###

### “Teaching” a Keypad Program to Another Keypad

Once the initial keypad in a system has been programmed, all programmed information can be “taught” to other keypads by doing the following:

- 1- Connect the special serial cable with four-pin connector to four pins located in bottom left corner of the back of the “master” or source 639 keypad. Similarly, connect the other end of the cable to the four pins on the back of the “slave” or destination 639 keypad. The “master” keypad requires no other wires at this time; the “slave” keypad should be connected to a panel.
- 2- The “slave” keypad should be in normal operating mode, not in programming mode.

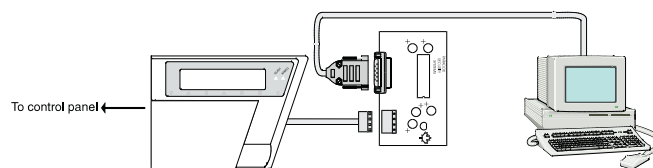
3- Press [ENTER] [INSTALLER KEYPAD CODE] [TRBL] on “master” keypad.

4- Wait until the transfer is completed.

The programming information has now been “taught” to the second keypad. Disconnect the serial cable and repeat these steps as required for any additional keypads.

### ESPLOAD UPLOAD/DOWNLOAD

This is available on **Esplod 2.4** onward. Refer to the following illustration:



To program a keypad from **Esplod**:

1. Connect cable on PC serial port to DB-9 female of LCD adapter.
2. Connect special serial cable of the keypad between the keypad and LCD adapter (keypad must be in normal mode).
3. To download information to a keypad, set the keypad in “normal” mode. Press F4 after all messages have been programmed and select full download.

4. Use **Espload** software to download information to keypad. To upload keypad, press F4 and select "full upload" (in **Espload** software), enter into keypad programming and press [TRBL].

### Key access programming

Several control panel features can be quickly programmed on the keypad, without entering any programming addresses or section numbers. Select "one-key access" programming by pressing [ENTER], followed by the Installer code. Then press a single key (from the following list) corresponding to the feature you want to activate:

- [MEM] *Panel time and clear "trouble 8"* (all 3 codes)  
Enter two digits (00 to 23) for hours + 2 digits (00 to 59) for minutes.
- [BYP] *Test report* (all 3 codes)  
Reporting is enabled at address **086** keys [11], [12]. A value must be entered at address **512**, and both telephone and account numbers must be programmed.
- [TRBL] *Call Espload via telephone* (all 3 codes)  
Panel ID (addresses **004-005**) and PC password numbers (addresses **006-007**) and PC download phone number (addresses **008-015**) must be programmed.
- [AWAY] *Answer Espload* (all 3 codes)  
This feature is available when using the ADP-1 adapter. In Espload, "blind dial" must be activated in "modem setup" section, and panel phone number programmed (works also without ADP-1).

- [STAY] *Cancel communication attempts*  
(master code and user 1 can only stop calls to Espload),  
(installer code - all communications)

### Info Mode

If the [INFO] key is pressed, "Emergency Calls" will be displayed. Three emergency messages can be programmed (addresses **150** to **155**). follow the "Display Editing" procedures to edit these messages.

Each emergency message consists of 2 lines containing 16 characters. Addresses are paired as follows:

- Message #1: Addresses **150** and **153**.  
Message #2: Addresses **151** and **154**.  
Message #3: Addresses **152** and **155**.

Enter the first line of the emergency message in the first address and the second line of the message in the second address.

### Power supply failure

The LCD display will alternate between: "TROUBLE POWER SUPPLY" and system status messages.

### Power supply level

In normal mode, press [TRBL] then [2ND], multiply the decimal value on the LCD display by 0.09 to get the exact power supply voltage level.

### Viewing the event list (view event list mode)

In "normal" mode, pressing [MEM], followed by [INFO] switches

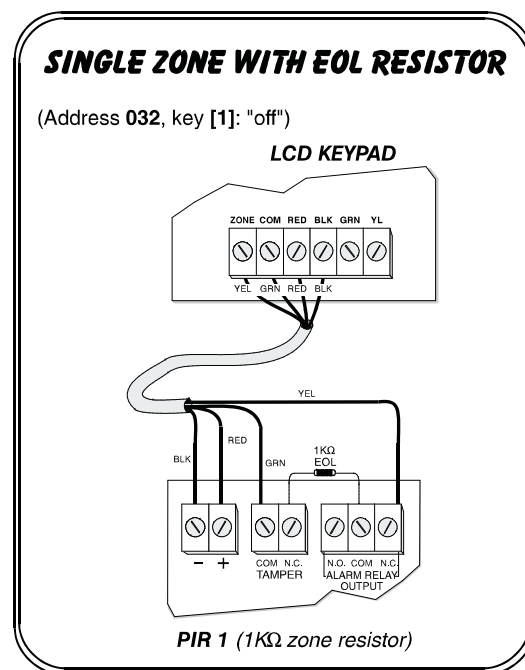
the system to "view event list" mode. The display will indicate:  
Event/Event number/Day/Time ex: **ALARM 01A** (1st line) / **001**  
**Sun 12:52** (2nd line).

Pressing **[+]** starts from the current to the oldest event and pressing **[-]** starts from the current to the most recent event.

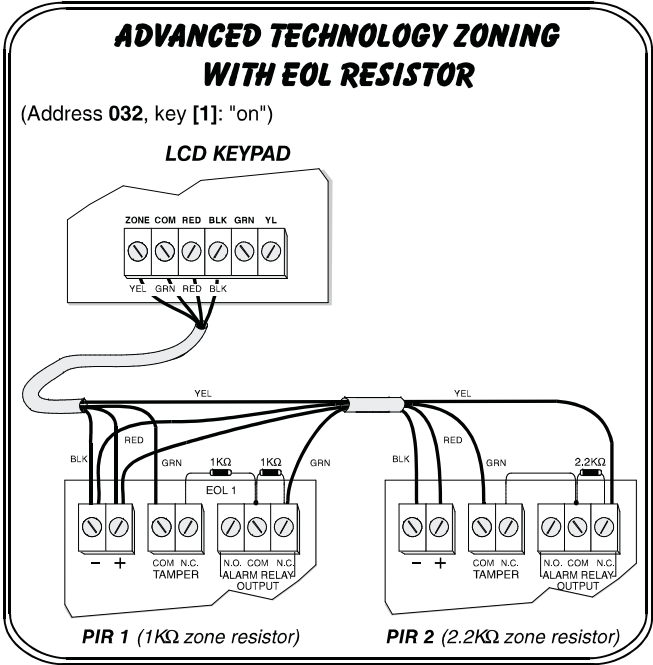
Autoscrolling is started by pressing **[+]** or **[-]** for 2 seconds. You have an adjustable delay (1 to 4 seconds) between each events in autoscrolling (same as the scrolling delay, address **036**). When you reach the end of the event buffer, a beep is heard. Autoscrolling is turned off by pressing again on **[+]** or **[-]**. If an unlisted event occurs or there are no more events in the event list, a fail beep is heard and **"not listed"** is displayed on the LCD.

Important: If "timer loss" message appears in the display, the time and day indicated may not be accurate. If the time was reprogrammed following power loss, all messages displayed **before** "timer restore" message contain the correct time and day.

## CONNECTION DIAGRAM (SINGLE KEYPAD ZONE)



CONNECTION DIAGRAM  
(TWO KEYPAD ZONES)



ASCII Table **sxyz {}**

To enter any of the characters found in the table below in the LCD display, while in ASCII mode (key [12]), type the three digit code corresponding to the required character.

032	048	064	080	096	112	128	144	160	176	192	208
Ø	ð	P	`	p	Ù	Ê	a	§	Ø	•	
033	049	065	081	097	113	129	145	161	177	193	209
!	1	A	Q	a	q	Û	È	î	±	Ł	..
034	050	066	082	098	114	130	146	162	178	194	210
"	2	B	R	b	r	Ü	É	ï	ij	Đ	°
035	051	067	083	099	115	131	147	163	179	195	211
#	3	C	S	c	s	Ü	Ê	í	↑	β	`
036	052	068	084	100	116	132	148	164	180	196	212
\$	4	D	T	d	t	Ú	è	î	↓	ç	'
037	053	069	085	101	117	133	149	165	181	197	213
%	5	E	U	e	u	ù	è	i	↵	®	~
038	054	070	086	102	118	134	150	166	182	198	214
&	6	F	V	f	v	ú	é	ñ	f	□	÷
039	055	071	087	103	119	135	151	167	183	199	215
'	7	G	W	g	w	ô	ë	ñ	£	▬	«
040	056	072	088	104	120	136	152	168	184	200	216
(	8	H	X	h	x	ò	À	Ñ	→	μ	»
041	057	073	089	105	121	137	153	169	185	201	217
)	9	I	Y	i	y	ó	Ä	±	↓	Ø	†
042	058	074	090	106	122	138	154	170	186	202	218
*	:	J	Z	j	z	œ	â	g	↑	ÿ	\
043	059	075	091	107	123	139	155	171	187	203	219
+	;	K	[	k	{	ô	â	v	↓	Ã	x
044	060	076	092	108	124	140	156	172	188	204	220
,	<	L	¥	l		ö	à	u	¶	¢	©
045	061	077	093	109	125	141	157	173	189	205	221
-	=	M	]	m	}	ó	â	w	½	ä	©
046	062	078	094	110	126	142	158	174	190	206	222
·	>	N	^	n	→	ö	â	Ω	⅓	Ö	¶
047	063	079	095	111	127	143	159	175	191	207	223
/	?	O	—	o	←	¿	Ä	Æ	¼	õ	≡

**IMPORTANT**

This security system should undergo frequent testing. However, despite regular testing, and due to, but not limited to, criminal tampering or electrical disruption, it is possible for this product to fail to perform as expected.

**WARRANTY**

Warranty conditions for the Esprit may vary from country to country. Please consult your local dealer for complete warranty information. In all cases, the warranty does not cover malfunctions arising from installer error or failure to follow installation/operation instructions, nor does it apply to damages due to causes beyond the control of Paradox Security Systems, such as lightning, excessive voltage, mechanical shock or water damage.

**LIABILITY**

Under no circumstances shall Paradox Security Systems be held liable for any direct or indirect damages, loss of anticipated profits, loss of time or any other losses incurred by the buyer in connection with the purchase, installation, operation or failure of this product.