

M A D E I N T H E U . S . A .

Quick Reference for Wiring & Programming the Ramset Keypad



LCD-KP

Liquid Crystal Display Keypad

ELECTRICAL SPECIFICATIONS

Power Supply: 12-24V AC/DC

Relay 1 max carry current: 2 amp

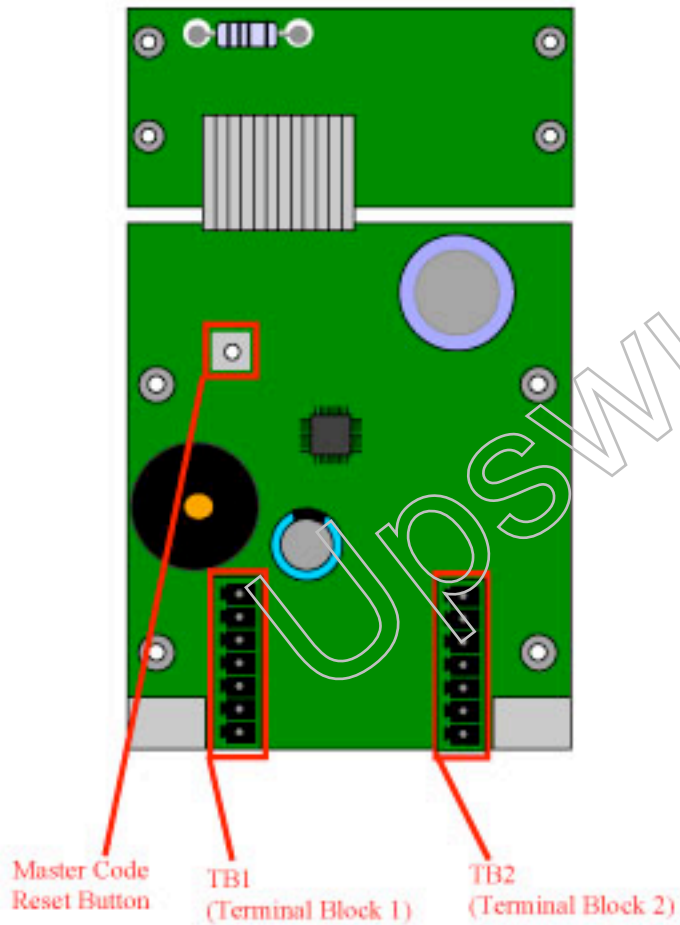
Relay 2 max carry current: 2 amp

Idle Current: 60mA

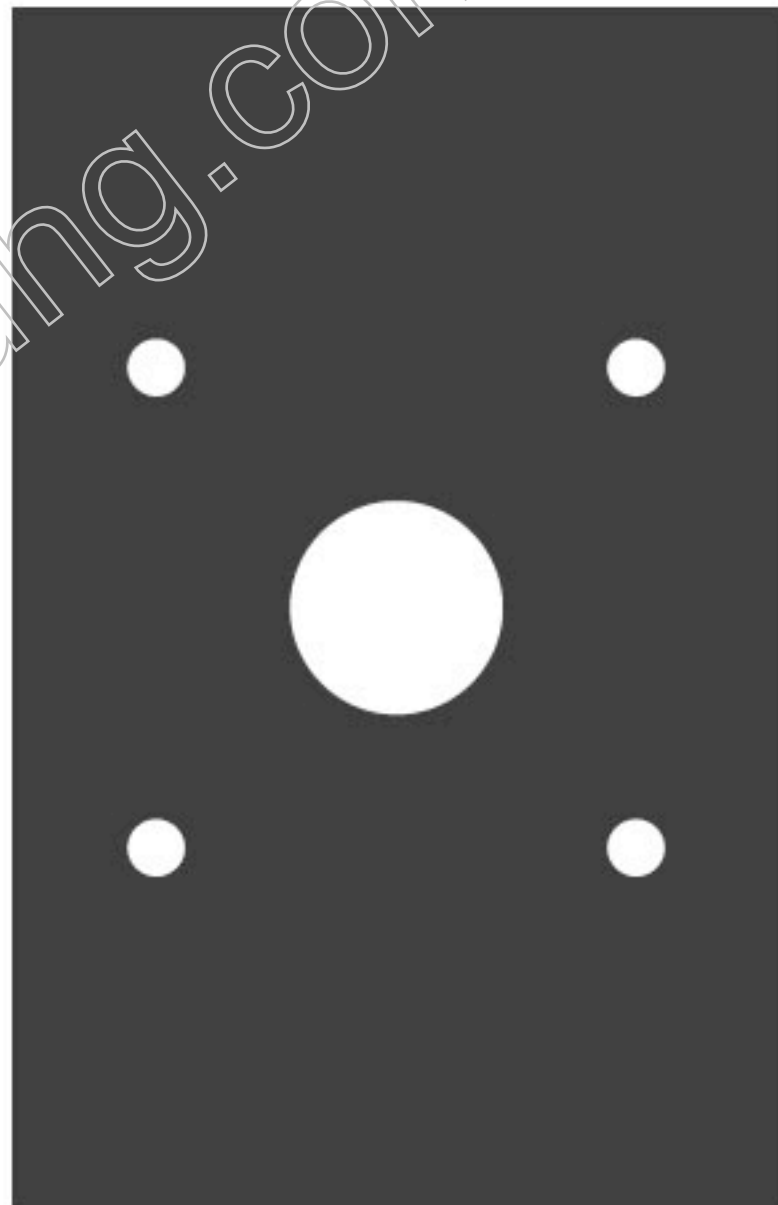
With 1 relay activated: 73mA

With both relays activated: 86mA

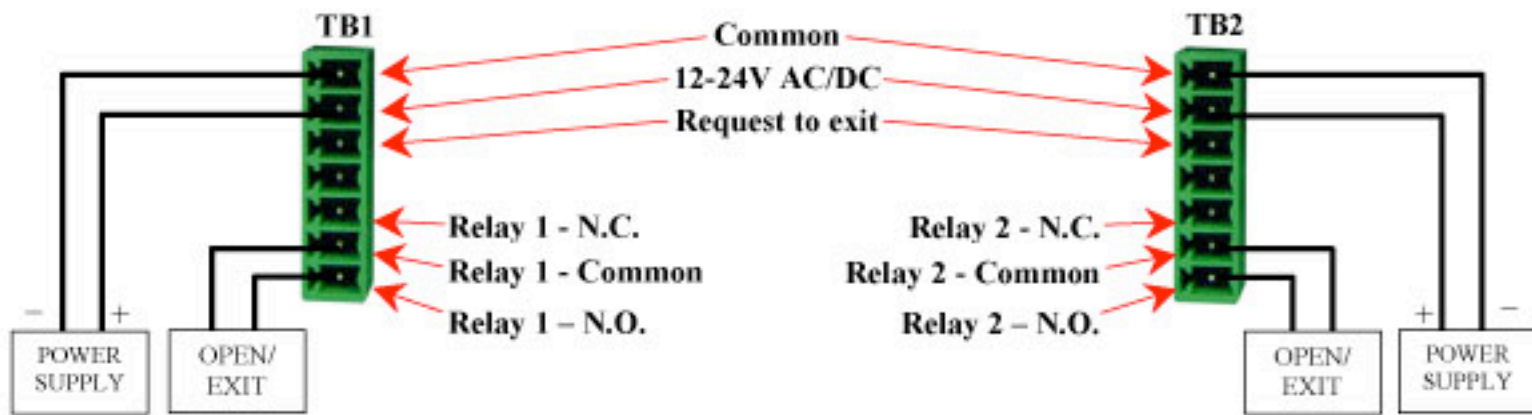
PCB LAYOUT – COMPONENT LOCATIONS



MOUNTING TEMPLATE



WIRING DIAGRAM (Gate Operator)



WIRING DIAGRAM (Door Strike)



WIRING DIAGRAM (Magnetic Lock)



WIRING DIAGRAM (Request to Exit)



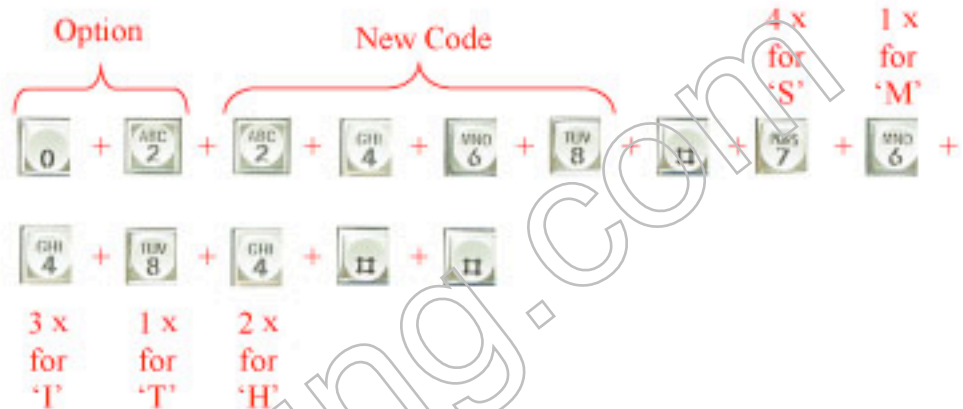
ADDING A NEW ENTRY CODE:

Enter: + + [*New Code*] + + [*Name*] + + + [*Next code*] ... etc.

When last code to be added is entered, press again.

[*New Code*] = Desired entry code, length can be from 3 digits to 8 digits long.
[*Name*] = Name, Job Title, Unit # or any word/s that identifies the code.
[*Next Code*] = Any additional codes that you wish to be entered.

Example: Entering the entry code: '2468' for the Smith



ERASING AN ENTRY CODE:

Enter + + [*Code*] + + [*Next Code*] ... etc.

When last code to be deleted is entered, press +

[*Code*] = Code to be erased/deleted.
[*Next Code*] = Any additional codes to be erased.

Example: Erasing/deleting the entry code: '4321'



TIME ZONE:

Default: All days; All Times

Enter + + [Code] + + [Days] + + [Start Time HH:MM] + [AM/PM] + + [End Time HH:MM] + [AM/PM] +

[Code] = Entry Code to be Time Zoned.

[Days] = Days that the code will be active

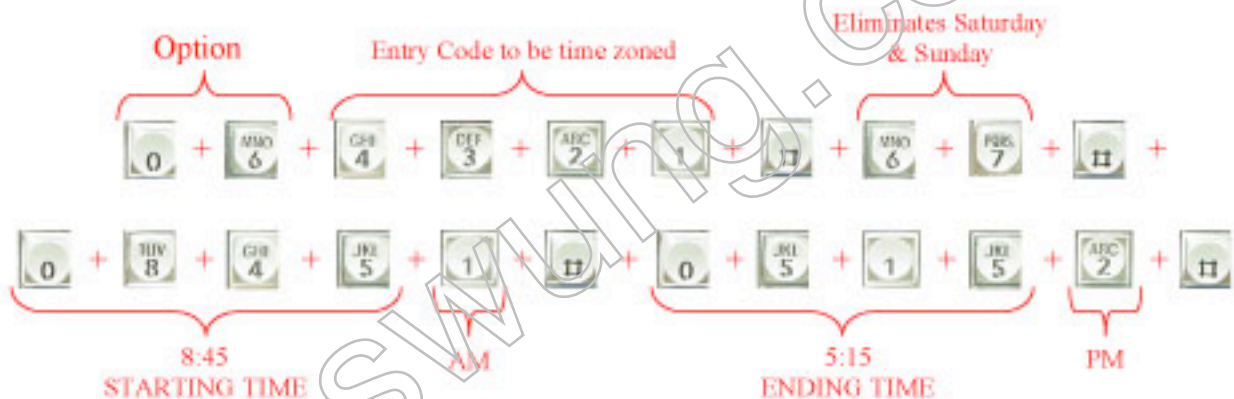
(Eliminate the days by pressing the corresponding numbers.)

Monday Tuesday Wednesday Thursday

Friday Saturday Sunday

[AM/PM] = AM PM

Example: Changing entry code "4 3 2 1" to only work on weekdays between 8:45am and 5:15pm



TIME ZONE DEFAULT:

Enter + + [Days] + + [Start Time HH:MM] + [AM/PM] + + [End Time HH:MM] + [AM/PM] +

[Days] = Days that the code will be active

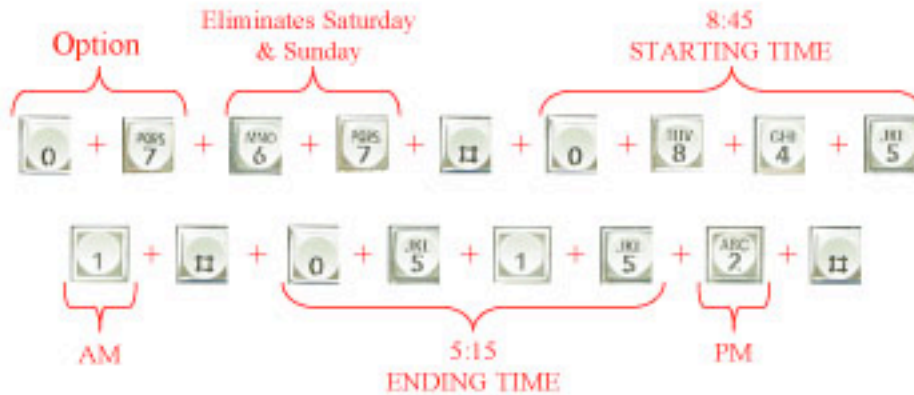
(Eliminate the days by pressing the corresponding numbers.)

Monday Tuesday Wednesday Thursday

Friday Saturday Sunday

[AM/PM] = AM PM

Example: Changing the time zone default to Monday thru Friday, 8:45am to 5:15pm.



ENTRY CODE SETUP:

Default: Relay 1 = 2 seconds; Relay 2 = 0 seconds; Usage Life = 0 (forever)

Enter 0 + RELY 8 + [Code] + 11 + [Rly 1 Time] + 11 + [Rly 2 Time] + 11 + [Usage Life] + 11 + [Name] + 11

[Code] = Entry Code to be Time Zoned

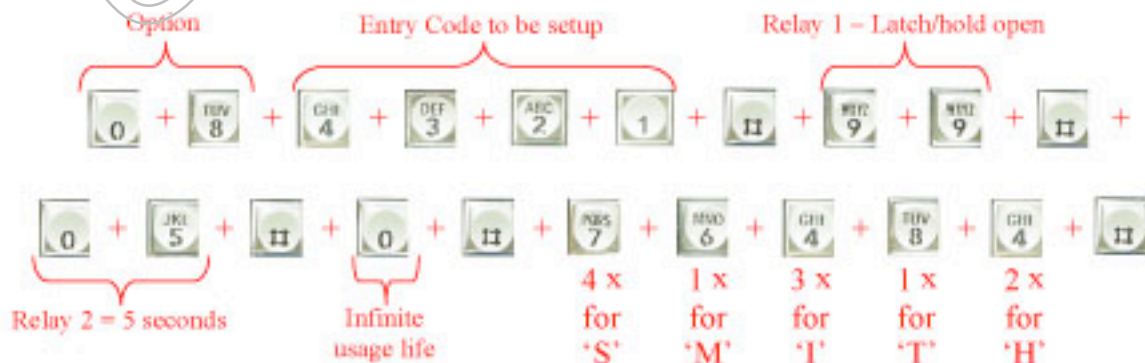
[Rly 1 Time] = Amount of time Relay 1 will be triggered.

[Rly 2 Time] = Amount of time Relay 2 will be triggered.






[Usage Life] = Utility code. Amount of times a code can be used before it is automatically deleted.

[Name] = Name, Job Title, Unit # or any word/s that identifies the code.

Example: Setting up Entry Code "4321" to latch/hold open relay 1, trigger relay 2 for 5seconds, have an infinite usage life & change the name to Smith



ENTRY CODE DEFAULT:

Enter  +  + [Rly 1 Time] +  + [Rly 2 Time] +  + [Usage Life] +  +

[Rly 1 Time] = Amount of time Relay 1 will be triggered.

[Rly 2 Time] = Amount of time Relay 2 will be triggered.

[Usage Life] = Utility code. Amount of times a code can be used before it




Example: Changing the entry code default to trigger relay 1 for 3 seconds, latch/hold open relay 2 & have an infinite usage life.

Option Relay 1 = 3 seconds Relay 2 = latch/hold open Infinite usage life

 +  +  +  +  +  +  +  + 

REQUEST 2 EXIT SETUP:

Default: Relay 1 = 0 seconds; Relay 2 = 0 seconds

Enter  +  + [Rly 1 Time] +  + [Rly 2 Time] + 

[Rly 1 Time] = Amount of time Relay 1 will be triggered.

[Rly 2 Time] = Amount of time Relay 2 will be triggered.

Example: Setting the request to exit to 9 seconds on relay 1

Option Relay 1 = 9 seconds Relay 2 = 0 seconds

 +  +  +  +  +  +  + 

7-DAY TIMER A OR B:

Adding or changing the 7-day timer

A – Time Zone A B – Time Zone B

Enter $\boxed{1}$ + $\left[\overset{\text{A}}{\boxed{1}} \text{ or } \overset{\text{B}}{\boxed{ABC 2}} \right]$ + $\boxed{DEF 3}$ + [Relay Selection] + ^{UNTIL FINISHED} [Days] + $\boxed{\square}$ +
 [Start Time HH:MM] + [AM/PM] + $\boxed{\square}$ + [End Time HH:MM] + [AM/PM] + $\boxed{\square}$

[Relay Selection] = Which relays will become active

[Days] = Days that the code will be active

(Eliminate the days by pressing the corresponding numbers.)

$\boxed{1}$ Monday $\boxed{ABC 2}$ Tuesday $\boxed{DEF 3}$ Wednesday $\boxed{GHI 4}$ Thursday
 $\boxed{JKL 5}$ Friday $\boxed{MNO 6}$ Saturday $\boxed{PQR 7}$ Sunday

[AM/PM] = $\boxed{1}$ AM $\boxed{ABC 2}$ PM

Example: Setting the 7-Day Timer A to latch/hold-open relay 1 on Monday through Friday, from 8:00am to 5:00 pm.

Option Edit Relay 1 Eliminates Saturday & Sunday

$\boxed{1}$ + $\left[\overset{\text{A}}{\boxed{1}} \text{ or } \overset{\text{B}}{\boxed{ABC 2}} \right]$ + $\boxed{DEF 3}$ + $\boxed{1}$ + $\boxed{MNO 6}$ + $\boxed{PQR 7}$ + $\boxed{\square}$ +
 $\boxed{0}$ + $\boxed{TUV 8}$ + $\boxed{0}$ + $\boxed{0}$ + $\boxed{1}$ + $\boxed{\square}$ + $\boxed{0}$ + $\boxed{JKL 5}$ + $\boxed{0}$ + $\boxed{0}$ + $\boxed{ABC 2}$ + $\boxed{\square}$



STARTING TIME 8:00 AM ENDING TIME 5:00 PM

Deleting or removing the 7-day timer

A – Time Zone A B – Time Zone B

Enter $\boxed{1}$ + $\left[\overset{\text{A}}{\boxed{1}} \text{ or } \overset{\text{B}}{\boxed{ABC 2}} \right]$ + $\boxed{DEF 3}$ + $\boxed{0}$

DISPLAY SETTINGS:

Enter  +  + [LCD Contrast] + [Banner Message]

[LCD Contrast] = Default - 50

[Banner Message] = Message Displayed on keypad display

Example: Setting the contrast to 55 and entering a banner message of "Hello"



SYSTEM SETTINGS:

Enter  +  + [Maximum Retries] +  + [Lockout Time] + 



[Maximum Retries] = The maximum times an invalid code can be entered before the keypad goes into lockout.











[Lockout Time] = The amount of time the keypad locks up for after the maximum retries have been exceeded.

Example: Changing the maximum retries to 5 and setting the lockout time to 2 minutes















REVIEW ALL CODES:

Enter  +  + [Use the following keys to navigate & perform functions]

	Up 1		Down 1
	Up 10		Down 10
	Up 100		Down 100
	Up 1000		Down 1000
	Name		Exit

REVIEW EVENT LOG:

Enter  +  + [Use the following keys to navigate & perform functions]

	Up 1		Down 1
	Up 10		Down 10
	Up 100		Down 100
	Up 1000		Down 1000
	Month, Day & Time		Exit

ERASE EVENT LOG:

Enter  +  + 

FACTORY RESET:

Erases all codes & events, resets all defaults and settings to factory defaults.

Enter  +  +  + 