

TRX KEYPAD USER GUIDE

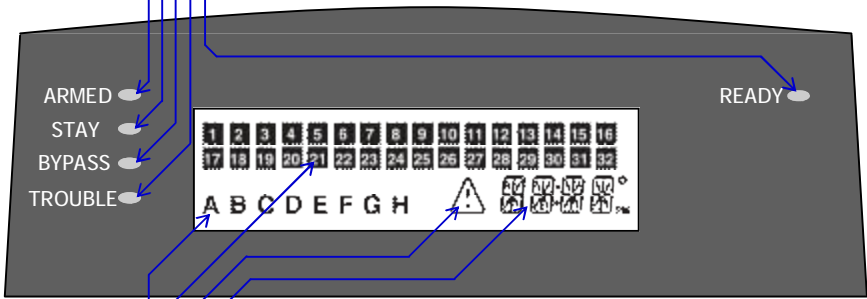


Proudly Designed and Manufactured in New Zealand

By Arrowhead Alarm Products Ltd

INDICATORS

- ARMED = Indicates the System is Armed in Away Mode.
- STAY = Indicates the System is Armed in Stay Mode.
- BYPASS = When Flashing, a Zone has been Manually Bypassed.
- TROUBLE = When Flashing there is a current System Activation, requiring Resetting.
- TROUBLE = On Steady the Activation has been Reset, but a Fault still remains. *Please see the Memory Display page for Current System Fault codes.*
- READY = When Green, all Zones are Sealed and the System is ready to be Armed.



- Multi Function/Temperature Display
- Memory/Event indicator
- Zone Activity indicators
- Area Activation indicators


BUTTONS

- ← ARM** = ARM will put the system into Away/Normal Armed State.
- STAY ↓** = STAY will put the system into Home/Stay Armed State.
- BYPASS** = BYPASS followed by a zone number (i.e. 01, 12 ect.) then enter will disable that zone.
- CONTROL** = CONTROL is an extra function button, that can be used to control outputs.
- PANIC →** = PANIC will put the system into an immediate alarm activating the sirens.
- MEMORY ↑** = MEMORY allows you to view current and past events, *see page 4 for more info.*
- PROG** = PROGRAM is used to get into client and installer modes, to change programming.
- PROG** then **CONTROL** = Will turn ON and OFF Chime Mode (see page 8 for more details)

LOCAL EDIT PROGRAM MODE

Local Edit Mode gives you the ability to adjust some individual keypad functionality. Including: 12/24 hour time, Temperature display, KP Tamper, KP software version, KP Address, Calibrate Temperature, Backlight Brightness, Display Contrast and Beeper Tone.

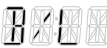


To Enter Local Edit Mode, press **PROG** then **BYPASS** then **-ENTER-**

The display will then read 

To Exit Local Edit Mode, press **PROG** then **-ENTER-**

Once in Local Edit Mode use the programming addresses below to make changes if required.

P= **PROG** E = **-ENTER-** To Increase press **MEMORY↑** To Decrease press **STAY↓**

- P 900 E 1 ON = 12-hour clock, 1 OFF = 24-hour clock
2 ON = Clock and Temperature displayed alternatively, 2 OFF = Clock Only
3 ON = Display Temperature when ENTER button is pressed, 3 OFF = Feature disabled
4 ON = Enable Keypad Tamper (*Not available on this Keypad*)
5 ON = All Lights will turn off after 90seconds of inactivity.
6 ON = LCD Display turns off when in sleep mode.
7 ON = Backlights will not turn on when zones are triggered. 7 OFF = Will turn on for 5sec
- P 901 E Keypad Software Version, *the KP current software version will be displayed.*
- P 902 E Keypad Address (1-8) *keypads on the same system must each have a different address*
- P 903 E Calibrate Temperature Sensor, *the current temperature will be displayed.*
(Warning don't adjust this location unless you have a calibrated temperature source available)
- P 904 E Backlight Brightness, *display will read  to adjust press **MEMORY↑** or **STAY↓***
- P 905 E LCD Contrast, *display will read  to adjust press **MEMORY↑** or **STAY↓***
- P 906 E Buzzer Tone, *display will read  to adjust press **MEMORY↑** or **STAY↓***
- P 907 E Battery Voltage, < 2.8V High < 2.6V Mid > 2.4V Low >
- P 908 E Frequency & Site code, *this will match the TRX Transceivers dipswitch chart.*
- P 909 E Adjust RF Output Power, *the RF output can be adjusted from 0dB(max Power) to -15dB (min Power) by using the **MEMORY↑** & **STAY↓** buttons.*
- P 911 E Pairing KP to Transceiver, *this will start the Keypad looking for a TRX Transceiver. The TRX Transceiver will also have to be in search mode by pressing the red button*
- P 920 E Default *all Keypad Local Edit Programming Options will be returned to factory default.*

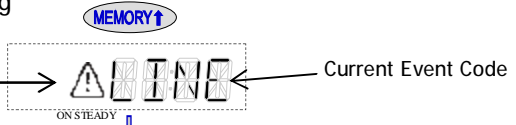
Note, after adjusting any programming options, **-ENTER-** must be pressed to save changes.

**You can not access Local Edit Mode if the system is Armed or Stay Armed*

MEMORY DISPLAY

Pressing the Memory button once will bring up any Current System Faults/Alarms

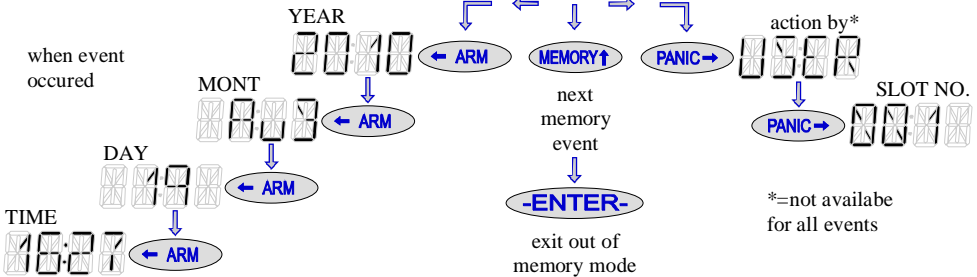
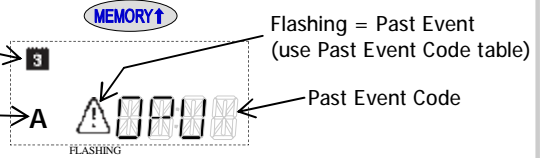
On Steady = Current Event
(use Current Event Code table)



Continuing to press the Memory button will cycle through the Past Events from newest to oldest

A Zone light may appear, indicating what Zone the Memory Event relates to.

A letter indicates what Area the Memory Event relates to.



CURRENT EVENT CODES

- 0000 = No Current System Faults
- 0001 = Mains fail (**AC** Power Fail)
- 0002 = Battery Low (**BATT**ery Low)
- 0003 = Dialler Kiss-Off Failure (**Call** Failure)
- 0004 = Keypad Missing (**Key**Pad **Sab**otage **Al**arm)
- 0005 = Line Fail (Telephone **LINE** Fault)
- 0006 = 12V fuse or Output Failure (**Out**Put or **Fu**se Failure)
- 0007 = Pendant Battery Low (**P**endant **BAT**tery Low)
- 0008 = RF battery Low (Radio **Z**one **BAT**tery Low)
- 0009 = Delinquency Alarm (Area **DEL**inQuency Alarm)
- 000A = Supervised Detector Failure (Radio **Z**one **SUP**ervise Signal Failure)
- 000B = SensorWatch Alarm (**Z**one **S**ensor**W**atch Alarm)
- 000C = **OUT**PUTX4 **Fai**L, unit has not acknowledged a keypad bus message
- 000D = **Key**Pad **B**attery **L**ow, the wireless keypad internal batteries are low.
- 000E = **NO** **RF** **Lin**K, the wireless keypad is not communicating with the TRX

PASU EVENT CODES

	= 12V Fuse Failure Alarm (<u>12V</u> Fuse Failure <u>A</u> larm)
	= 12V Fuse Failure Restore (<u>12V</u> Fuse Failure <u>R</u> estore)
	= 24 Hour Zone Bypass Reinstated (<u>24</u> Hour Zone <u>B</u> ypass <u>R</u> e-Instated)
	= 24 Hour Zone Bypass (<u>24</u> Hour Zone <u>B</u> ypass)
	= 24 Hour Zone Alarm (<u>24</u> Hour Zone <u>A</u> larm)
	= 24 Hour Zone Alarm Restore (<u>24</u> Hour Zone Alarm <u>R</u> estore)
	= AC Power Fail Alarm (<u>AC</u> Power Fail <u>A</u> larm)
	= AC Power Fail Restore (<u>AC</u> Power Fail <u>R</u> estore)
	= AC Fail Reported via Dialler (<u>AC</u> Fail <u>R</u> eported <u>A</u> larm)
	= AC Fail Restore Reported via Dialler (<u>AC</u> Fail <u>R</u> estore <u>R</u> eported)
	= Automatic Test Message sent (<u>A</u> utomatic <u>T</u> e <u>S</u> T Message sent)
	= Auto Arm Fail (Away <u>A</u> uto- <u>A</u> rm <u>F</u> ail)
	= Auto Arm Fail Restore (Away <u>A</u> uto- <u>A</u> rm Fail <u>R</u> estore)
	= Area Armed by ARM button (<u>A</u> Way by <u>A</u> RM Button)
	= Area Armed by Keyswitch (<u>A</u> Way by <u>K</u> ey <u>S</u> witch)
	= Area Armed by Upload/Download (<u>A</u> Way By <u>P</u> Hone)
	= Area Armed by DTMF (<u>A</u> Way Armed by <u>P</u> Hone)
	= Area Armed by Pendant (<u>A</u> Way by Pendant- <u>T</u> X)
	= Area Armed by Time Zone (<u>A</u> Way by <u>T</u> ime <u>Z</u> one)
	= Area Armed by User (<u>A</u> Way by <u>U</u> ser)
	= Panel Low Battery (Panel Low <u>B</u> A <u>T</u> tery <u>A</u> larm)
	= Panel Low Battery Restore (Panel Low <u>B</u> A <u>T</u> tery <u>R</u> estore)
	= Clock Changed by PC (<u>C</u> lock <u>C</u> hanged by <u>P</u> C)
	= Clock Changed at panel (<u>C</u> lock <u>C</u> hanged at <u>P</u> a <u>N</u> el)
	= Callback Initiated (<u>C</u> al <u>L</u> Bac <u>K</u> Initiated)
	= CRC Error (<u>C</u> R <u>C</u> <u>E</u> rror)
	= Panel Defaulted (Panel <u>D</u> E <u>F</u> au <u>L</u> ted)
	= Area Delinquency Alarm (Area <u>D</u> E <u>L</u> inquency <u>A</u> larm)
	= Area Delinquency Alarm Restore (Area <u>D</u> E <u>L</u> inquency Alarm <u>R</u> estore)
	= DTU Data sent to Panel (<u>D</u> T <u>U</u> to <u>P</u> anel Transfer)
	= Excessive Code Attempts Alarm (<u>E</u> xcessive <u>C</u> o <u>D</u> e Attempts <u>A</u> larm)

PAST EVENT CODES CONTINUED

	= Excessive Code Attempts Restore (E xcessive C o D e Attempts R estore)
	= Event Buffer Cleared at Keypad (E Vent Buffer Cleared at K ey P ad)
	= Event Buffer Cleared from PC (E Vent Buffer Cleared from P C)
	= Duress Alarm at Keypad (K ey P ad D uress A larm)
	= Duress Alarm at Keypad Restore (K ey P ad D uress Alarm R estore)
	= Fire Alarm at Keypad (K ey P ad F ire A larm)
	= Fire Alarm at Keypad Restore (K ey P ad F ire Alarm R estore)
	= Medical Alarm at Keypad (K ey P ad M edical A larm)
	= Medical Alarm at Keypad Restore (K ey P ad M edical Alarm R estore)
	= Panic Alarm at Keypad (K ey P ad P anic A larm)
	= Panic Alarm at Keypad Restore (K ey P ad P anic Alarm R estore)
	= Keypad Missing (K ey P ad S abotage A larm)
	= Keypad Re-Instated (K ey P ad S abotage R estore)
	= Keypad Tamper Alarm (K ey P ad T amper A larm)
	= Keypad Tamper Alarm Restore (K ey P ad T amper Alarm R estore)
	= Manual Test Message sent (M anual T e S T Message sent)
	= Area Open by ARM Button (O Pen by A RM Button)
	= Area Open <i>Normal or Stay</i> by Keyswitch (O Pen by K ey S witch)
	= Output Turned Off by KP/Control/PC or DTMF (O ut P ut Turned O FF)
	= Output Turned On by KP/Control/PC or DTMF (O ut P ut Turned O N)
	= Area Open <i>Normal or Stay</i> by PC or DTMF (O Pen by P Hone)
	= Area Open Stay by STAY Button (O Pen Stay by S TAY Button)
	= Output Tamper Alarm (O ut P ut T amper A larm)
	= Output Tamper Alarm Restore (O ut P ut T amper Alarm R estore)
	= Area Open <i>Normal or Stay</i> by Pendant (O Pen by Pendant- T X)
	= Area Open by Time Zone (O Pen by T ime Z one)
	= Area Open <i>Normal or Stay</i> by User (O Pen by U ser)
	= PC to Panel Comms Ended (P C to Panel Comms O FF)
	= PC to Panel Comms Started (P C to Panel Comms O N)
	= Panel Data sent to DTU (P anel to D TU Transfer)
	= Telephone Line Failure (Tele P Hone L ine failure A larm)

PAST EVENT CODES continued

	= Telephone Line Failure Restore (Tele <u>P</u> H <u>L</u> ine Failure <u>R</u> estore)
	= Dialler Call Un-answered (<u>P</u> H <u>N</u> e Call <u>N</u> ot <u>A</u> nswered)
	= No Kiss-Off to Dialler Event (<u>P</u> H <u>N</u> e Call <u>N</u> ot <u>K</u> issed-Off)
	= Exit Program Mode (<u>P</u> R <u>O</u> g <u>R</u> am Mode <u>E</u> xit)
	= Enter Program Mode (<u>P</u> R <u>O</u> g <u>R</u> am <u>M</u> ode Entry)
	= Receiver Fail (<u>R</u> e <u>C</u> e <u>i</u> v <u>e</u> r <u>F</u> ail)
	= Receiver Fail Restore (<u>R</u> e <u>C</u> e <u>i</u> v <u>e</u> r <u>F</u> ail <u>R</u> estore)
	= RF Zone Battery Low (<u>R</u> F <u>Z</u> one <u>B</u> attery Low <u>A</u> larm)
	= RF Zone Battery Restore (<u>R</u> F <u>Z</u> one <u>B</u> attery <u>R</u> estore)
	= RF Interference Alarm (<u>R</u> F <u>I</u> nterference <u>A</u> larm)
	= RF Interference Alarm Restore (<u>R</u> F <u>I</u> nterference Alarm <u>R</u> estore)
	= RF Zone Supervise Fail Alarm (<u>R</u> F <u>Z</u> one <u>S</u> upervise Fail <u>A</u> larm)
	= RF Zone Supervise Fail Restore (<u>R</u> F <u>Z</u> one <u>S</u> upervise Fail <u>R</u> estore)
	= RF Zone Tamper Alarm (<u>R</u> F <u>Z</u> one <u>T</u> amper <u>A</u> larm)
	= RF Zone Tamper Restore (<u>R</u> F <u>Z</u> one <u>T</u> amper <u>R</u> estore)
	= Radio Zone Deleted (Radio- <u>R</u> F <u>Z</u> one <u>D</u> eleted)
	= Learning Radio Zone (Radio- <u>R</u> F <u>Z</u> one <u>L</u> earning)
	= Spare Off 2
	= Area Armed Spare 1
	= Area Armed Spare 2
	= Area Open Spare 2
	= Area Stay Armed by Keypad (<u>S</u> Tay by <u>K</u> eyp <u>A</u> d)
	= Soak Test Off (<u>S</u> oak <u>T</u> est <u>O</u> ff)
	= Soak Test On (<u>S</u> oak <u>T</u> est <u>O</u> N)
	= Area Stay Armed by Upload/Download (<u>S</u> Tay Armed by <u>P</u> C)
	= Area Stay Armed by STAY button (<u>S</u> Tay Armed by <u>S</u> TAY Button)
	= Area Stay Armed by Pendant (<u>S</u> Tay by Pendant- <u>T</u> X)
	= Area Stay Armed by User (<u>S</u> Tay by <u>U</u> ser)
	= System Tamper Alarm (System <u>T</u> a <u>M</u> P <u>e</u> r <u>A</u> larm)
	= System Tamper Alarm Restore (System <u>T</u> a <u>M</u> P <u>e</u> r Alarm <u>R</u> estore)
	= Pendant-TX Battery Low (Pendant- <u>T</u> X <u>B</u> attery Low <u>A</u> larm)

PAST EVENT CODES CONTINUED

	= Pendant-TX Battery Low Restore (Pendant- <u>T</u> X <u>B</u> attery Low <u>R</u> estore)
	= Pendant-TX Panic Alarm (Pendant- <u>T</u> X <u>P</u> anic <u>A</u> larm)
	= Pendant Deleted (<u>T</u> X- <u>P</u> endant <u>D</u> eleted)
	= Learning Pendant (<u>T</u> X- <u>P</u> endant <u>L</u> earning)
	= Pendant-TX Panic Alarm Restore (Pendant- <u>T</u> X <u>P</u> anic Alarm <u>R</u> estore)
	= User has Change Their Code (<u>U</u> ser <u>C</u> ode <u>C</u> Hange)
	= Walk Test Off (<u>W</u> alk <u>T</u> est <u>O</u> ff)
	= Walk Test On (<u>W</u> alk <u>T</u> est <u>O</u> N)
	= Zone Arm Alarm (<u>Z</u> one <u>A</u> rm <u>A</u> larm)
	= Zone Arm Alarm Restore (<u>Z</u> o <u>N</u> e Arm <u>A</u> larm <u>R</u> estore)
	= Zone Bypass Re-Instated (<u>Z</u> o <u>N</u> e <u>B</u> ypass <u>R</u> e-Instated)
	= Zone Bypass (<u>Z</u> o <u>N</u> e <u>B</u> Ypass)
	= Zone Near Alarm (<u>Z</u> o <u>N</u> e <u>N</u> ear <u>A</u> larm)
	= Zone Near Alarm Restore (<u>Z</u> o <u>N</u> e <u>N</u> ear Alarm <u>R</u> estore)
	= Zone Stay Alarm (<u>Z</u> o <u>N</u> e <u>S</u> tay <u>A</u> larm)
	= Zone Stay Alarm Restore (<u>Z</u> o <u>N</u> e <u>S</u> tay Alarm <u>R</u> estore)
	= Zone Tamper Alarm (<u>Z</u> o <u>N</u> e <u>T</u> amper <u>A</u> larm)
	= Zone Tamper Alarm Restore (<u>Z</u> o <u>N</u> e <u>T</u> amper Alarm <u>R</u> estore)
	= Zone Verified Alarm (<u>Z</u> o <u>N</u> e <u>V</u> erified <u>A</u> larm)
	= Zone Verified Alarm Restore (<u>Z</u> o <u>N</u> e <u>V</u> erified Alarm <u>R</u> estore)
	= Zone Sensorwatch Alarm (<u>Z</u> one <u>S</u> ensor <u>W</u> atch <u>A</u> larm)
	= Zone Sensorwatch Alarm Restore (<u>Z</u> one <u>S</u> ensor <u>W</u> atch Alarm <u>R</u> estore)

DISABLING DAY ZONE CHIME

To Disable Chime press then = The display will then read



To Enable Chime press then = The display will then read



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V1.0