

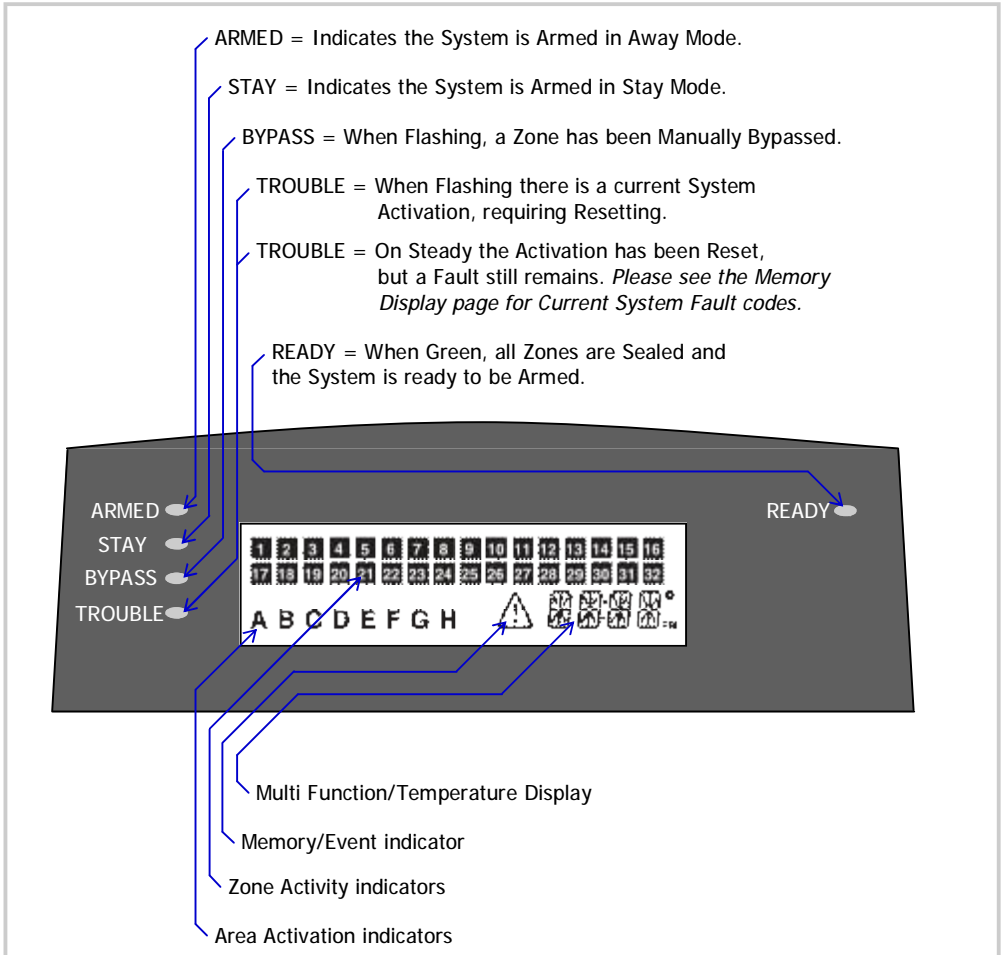
# TRX KEYPAD USER GUIDE



Proudly Designed and Manufactured in New Zealand

By Arrowhead Alarm Products Ltd

# 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.*

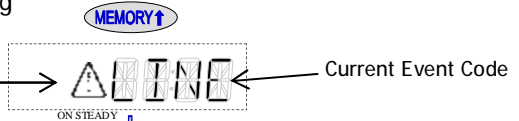
Note, after adjusting any programming options, **-ENTER-** must be pressed to save changes.

*\*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

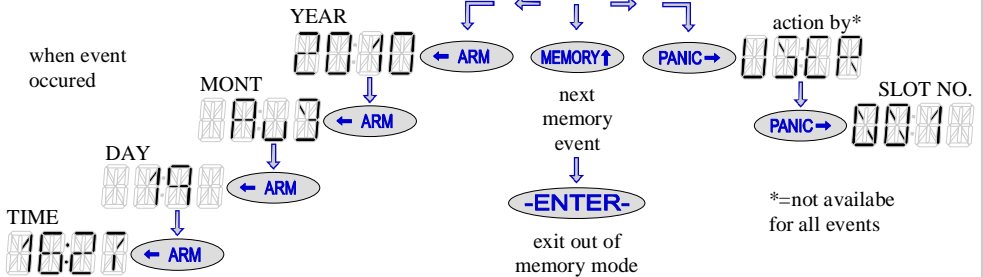
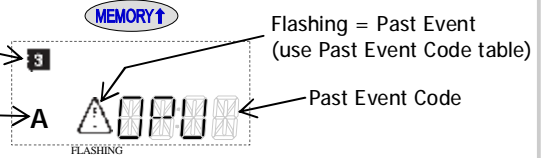
On Steady = Current Event  
(use Current Event Code table)



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

None	= No Current System Faults
AC	= Mains fail ( <b>AC</b> Power Fail)
BATT	= Battery Low ( <b>BATT</b> ery Low)
CALL	= Dialler Kiss-Off Failure ( <b>Call</b> Failure)
KEYSA	= Keypad Missing ( <b>Key</b> Pad <b>Sabotage</b> <b>Al</b> arm)
LINE	= Line Fail (Telephone <b>LINE</b> Fault)
OPFU	= 12V fuse or Output Failure ( <b>Out</b> Put or <b>Fu</b> se Failure)
PBATT	= Pendant Battery Low ( <b>P</b> endant <b>BATT</b> ery Low)
ZBATT	= RF battery Low (Radio <b>Z</b> one <b>BATT</b> ery Low)
DELIN	= Delinquency Alarm (Area <b>DEL</b> in <b>QU</b> ency Alarm)
ZSUP	= Supervised Detector Failure (Radio <b>Z</b> one <b>SUP</b> ervise Signal Failure)
ZSWA	= SensorWatch Alarm ( <b>Z</b> one <b>S</b> ensor <b>W</b> atch Alarm)
OPFU	= <b>OUTPUTX4 FaiL</b> , unit has not acknowledged a keypad bus message
KEYBL	= <b>Key</b> Pad <b>B</b> attery <b>L</b> ow, the wireless keypad internal batteries are low.
NOFLINK	= <b>NO RF LinK</b> , the wireless keypad is not communicating with the TRX

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



# PAST EVENT CODES continued

	= Telephone Line Failure Restore (Tele <u>P</u> H <u>L</u> e Line Failure <u>R</u> estore)
	= Dialler Call Un-answered ( <u>P</u> Hone Call <u>N</u> ot <u>A</u> nswered)
	= No Kiss-Off to Dialler Event ( <u>P</u> Hone Call <u>N</u> ot <u>K</u> issed-Off )
	= Exit Program Mode ( <u>P</u> Ro <u>G</u> ram Mode <u>E</u> xit)
	= Enter Program Mode ( <u>P</u> Ro <u>G</u> ram <u>M</u> ode Entry)
	= Receiver Fail ( <u>R</u> e <u>C</u> e <u>V</u> er <u>F</u> ail)
	= Receiver Fail Restore ( <u>R</u> e <u>C</u> e <u>V</u> er Fail <u>R</u> estore)
	= RF Zone Battery Low ( <u>R</u> F Zone <u>B</u> attery Low <u>A</u> larm)
	= RF Zone Battery Restore ( <u>R</u> F Zone <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 Zone <u>S</u> upervise Fail <u>A</u> larm)
	= RF Zone Supervise Fail Restore ( <u>R</u> F Zone <u>S</u> upervise Fail <u>R</u> estore)
	= RF Zone Tamper Alarm ( <u>R</u> F Zone <u>T</u> amper <u>A</u> larm)
	= RF Zone Tamper Restore ( <u>R</u> F Zone <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> ey <u>S</u> witch)
	= 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-TX Battery Low Restore)
-   = Pendant-TX Panic Alarm (Pendant-TX Panic Alarm)
-   = Pendant Deleted (TX-Pendant Deleted)
-   = Learning Pendant (TX-Pendant Learning)
-   = Pendant-TX Panic Alarm Restore (Pendant-TX Panic Alarm Restore)
-   = User has Change Their Code (User Code CHange)
-   = Walk Test Off (Walk Test Off)
-   = Walk Test On (Walk Test ON)
-   = Zone Arm Alarm (Zone Arm Alarm)
-   = Zone Arm Alarm Restore (ZoNe Arm Alarm Restore)
-   = Zone Bypass Re-Instated (ZoNe Bypass Re-Instated)
-   = Zone Bypass (ZoNe BYpass)
-   = Zone Near Alarm (ZoNe Near Alarm)
-   = Zone Near Alarm Restore (ZoNe Near Alarm Restore)
-   = Zone Stay Alarm (ZoNe Stay Alarm)
-   = Zone Stay Alarm Restore (ZoNe Stay Alarm Restore)
-   = Zone Tamper Alarm (ZoNe Tamper Alarm)
-   = Zone Tamper Alarm Restore (ZoNe Tamper Alarm Restore)
-   = Zone Verified Alarm (ZoNe Verified Alarm)
-   = Zone Verified Alarm Restore (ZoNe Verified Alarm Restore)
-   = Zone Sensorwatch Alarm (Zone SensorWatch Alarm)
-   = Zone Sensorwatch Alarm Restore (Zone SensorWatch Alarm Restore)

## DISABLING DAY ZONE CHIME

To Disable Chime press  then  = The display will then read



To Enable Chime press  then  = The display will then read



Arrowhead Alarm Products Ltd

ARROWHEAD ALARM PRODUCTS Ltd.

344B ROSEDALE Rd

ALBANY

AUCKLAND

Phone: 09 414 0085

Fax: 09 414 0088

[www.aap.co.nz](http://www.aap.co.nz)

V1.0