

**AVOLUTION™**

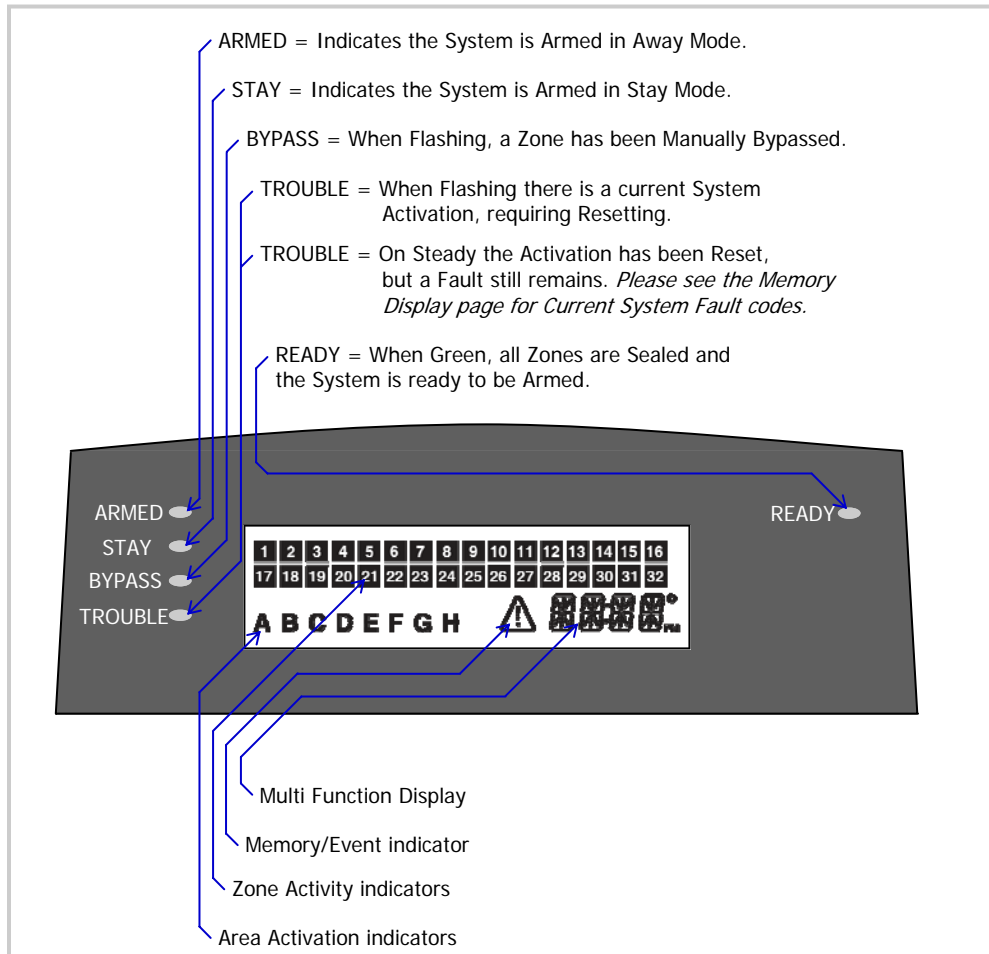
# LANDSCAPE ICON LCD USER GUIDE



**SECURITY  
MERCHANTS**  
ASSA ABLOY



# 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 hold **CONTROL** = Will turn ON and OFF Chime Mode

# 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, please press **PROG** then **BYPASS** then **-ENTER-**

The display will then read **0000**

To **Exit** Local Edit Mode, please 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.

**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 **BZL** to adjust press **MEMORY↑** or **STAY↓**

**P 905 E** **LCD Contrast**, display will read **CTR** to adjust press **MEMORY↑** or **STAY↓**

**P 906 E** **Buzzer Tone**, display will read **BUZ** to adjust press **MEMORY↑** or **STAY↓**

**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*

# NEW FEATURES

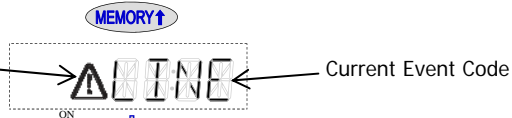
**Lights Out Mode:** This great little feature is perfect if you find the keypad backlight is too bright, when installed in a bedroom. If option **5** is turned On under **Local Edit Mode** address **P 900 E**, the backlight behind the display and the buttons will turn off, after 90 seconds of no zone activity. If a zone is then triggered the backlight will come back on for 90 seconds. The backlight will also come back on if a button is pressed.

**Easier Programming:** We've added a simple step through ability to commonly used programming addresses. For example enrolling Radio Pendants, start like normal in program mode then P 18 E 21 E once the first slot is loaded, pressing **PANIC→** will step you to the next slot for loading and so on. This feature works on most addresses, such as user codes, user permissions, phone numbers & more

# MEMORY DISPLAY

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

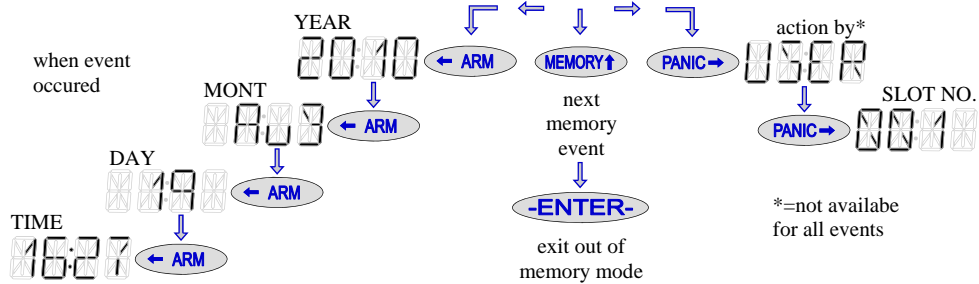
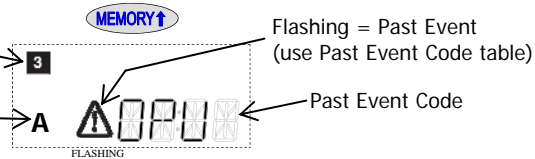
On Steady = Current Event  
(use Current Event Code table)



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 (**AC** Power Fail)
- BATT = Battery Low (**BATT**ery Low)
- CF = Dialler Kiss-Off Failure (**Call** Failure)
- KPSA = Keypad Missing (**Key**Pad **S**abotage **A**larm)
- LINE = Line Fail (Telephone **LINE** Fault)
- OPAS = 12V fuse or Output Failure (**Out**Put or **Fu**Se Failure)
- PBAT = Pendant Battery Low (**P**endant **BAT**tery Low)
- ZBAT = RF battery Low (Radio **Z**one **BAT**tery Low)
- DELQ = Delinquency Alarm (Area **DEL**in**Q**uency Alarm)
- ZSUP = Supervised Detector Failure (Radio **Z**one **SUP**ervise Signal Failure)
- ZSW = SensorWatch Alarm (**Z**one **S**ensor**W**atch Alarm)

## PAST EVENT CODES

12VA	= 12V Fuse Failure Alarm ( <b>12V</b> Fuse Failure <b>A</b> larm)
12VR	= 12V Fuse Failure Restore ( <b>12V</b> Fuse Failure <b>R</b> estore)
24BR	= 24 Hour Zone Bypass Reinstated ( <b>24</b> Hour Zone <b>B</b> ypass <b>R</b> e-Instated)
24BY	= 24 Hour Zone Bypass ( <b>24</b> Hour Zone <b>B</b> ypass)
24HA	= 24Hour Zone Alarm ( <b>24</b> <b>H</b> our Zone <b>A</b> larm)
24HR	= 24 Hour Zone Alarm Restore ( <b>24</b> <b>H</b> our Zone Alarm <b>R</b> estore)
ACPA	= AC Power Fail Alarm ( <b>AC</b> Power Fail <b>A</b> larm)
ACPR	= AC Power Fail Restore ( <b>AC</b> Power Fail <b>R</b> estore)
ACRA	= AC Fail Reported via Dialler ( <b>AC</b> Fail <b>R</b> eported <b>A</b> larm)
ACRR	= AC Fail Restore Reported via Dialler ( <b>AC</b> Fail <b>R</b> estore <b>R</b> eported)
ATST	= Automatic Test Message sent ( <b>A</b> utomatic <b>T</b> e <b>S</b> T Message sent)
AUAF	= Auto Arm Fail (Away <b>AU</b> to- <b>A</b> rm <b>F</b> ail)
AUAR	= Auto Arm Fail Restore (Away <b>AU</b> to- <b>A</b> rm Fail <b>R</b> estore)
AWAR	= Area Armed by ARM button ( <b>AW</b> ay by <b>ARM</b> Button)
AWKS	= Area Armed by Keypad ( <b>AW</b> ay by <b>Key</b> Switch)
AWPH	= Area Armed by Upload/Download ( <b>AW</b> ay By <b>PH</b> one)
AWPH	= Area Armed by DTMF ( <b>AW</b> ay Armed by <b>PH</b> one)
AWTX	= Area Armed by Pendant ( <b>AW</b> ay by Pendant- <b>TX</b> )
AWTZ	= Area Armed by Time Zone ( <b>AW</b> ay by <b>T</b> ime <b>Z</b> one)
AWU	= Area Armed by User ( <b>AW</b> ay by <b>U</b> ser)
BATA	= Panel Low Battery (Panel Low <b>BAT</b> tery <b>A</b> larm)
BATR	= Panel Low Battery Restore (Panel Low <b>BAT</b> tery <b>R</b> estore)
CCPC	= Clock Changed by PC ( <b>C</b> lock <b>C</b> hanged by <b>PC</b> )
CCPN	= Clock Changed at panel ( <b>C</b> lock <b>C</b> hanged at <b>Pa</b> nel)
CLBK	= Callback Initiated ( <b>Ca</b> ll <b>B</b> ack Initiated)
CRC	= CRC Error ( <b>CRC</b> <b>E</b> rror)
DEFL	= Panel Defaulted (Panel <b>DEF</b> au <b>L</b> ted)
DELA	= Area Delinquency Alarm (Area <b>DEL</b> inquency <b>A</b> larm)
DELR	= Area Delinquency Alarm Restore (Area <b>DEL</b> inquency Alarm <b>R</b> estore)
DTUP	= DTU Data sent to Panel ( <b>DTU</b> to <b>P</b> anel Transfer)
ECDA	= Excessive Code Attempts Alarm ( <b>E</b> xcessive <b>Co</b> de Attempts <b>A</b> larm)

## PAST EVENT CODES continued

ECAR	= Excessive Code Attempts Restore ( <b>E</b> xcessive <b>C</b> o <b>D</b> e Attempts <b>R</b> estore)
EVKA	= Event Buffer Cleared at Keypad ( <b>E</b> Vent Buffer Cleared at <b>K</b> ey <b>P</b> ad)
EVPA	= Event Buffer Cleared from PC ( <b>E</b> Vent Buffer Cleared from <b>P</b> C)
KPDA	= Duress Alarm at Keypad ( <b>K</b> ey <b>P</b> ad <b>D</b> uress <b>A</b> larm)
KPDR	= Duress Alarm at Keypad Restore ( <b>K</b> ey <b>P</b> ad <b>D</b> uress Alarm <b>R</b> estore)
KPFA	= Fire Alarm at Keypad ( <b>K</b> ey <b>P</b> ad <b>F</b> ire <b>A</b> larm)
KPFR	= Fire Alarm at Keypad Restore ( <b>K</b> ey <b>P</b> ad <b>F</b> ire Alarm <b>R</b> estore)
KPMA	= Medical Alarm at Keypad ( <b>K</b> ey <b>P</b> ad <b>M</b> edical <b>A</b> larm)
KPMR	= Medical Alarm at Keypad Restore ( <b>K</b> ey <b>P</b> ad <b>M</b> edical Alarm <b>R</b> estore)
KPPA	= Panic Alarm at Keypad ( <b>K</b> ey <b>P</b> ad <b>P</b> anic <b>A</b> larm)
KPPR	= Panic Alarm at Keypad Restore ( <b>K</b> ey <b>P</b> ad <b>P</b> anic Alarm <b>R</b> estore)
KPSA	= Keypad Missing ( <b>K</b> ey <b>P</b> ad <b>S</b> abotage <b>A</b> larm)
KPSR	= Keypad Re-Instated ( <b>K</b> ey <b>P</b> ad <b>S</b> abotage <b>R</b> estore)
KPTA	= Keypad Tamper Alarm ( <b>K</b> ey <b>P</b> ad <b>T</b> amper <b>A</b> larm)
KPTR	= Keypad Tamper Alarm Restore ( <b>K</b> ey <b>P</b> ad <b>T</b> amper Alarm <b>R</b> estore)
MTST	= Manual Test Message sent ( <b>M</b> anual <b>T</b> e <b>S</b> T Message sent)
OPAR	= Area Open by ARM Button ( <b>O</b> Pen by <b>A</b> RM Button)
OPKS	= Area Open <i>Normal or Stay</i> by Keypad ( <b>O</b> Pen by <b>K</b> ey <b>S</b> witch)
OPOF	= Output Turned Off by KP/Control/PC or DTMF ( <b>O</b> ut <b>P</b> ut Turned <b>O</b> FF)
OPON	= Output Turned On by KP/Control/PC or DTMF ( <b>O</b> ut <b>P</b> ut Turned <b>O</b> N)
OPPH	= Area Open <i>Normal or Stay</i> by PC or DTMF ( <b>O</b> Pen by <b>P</b> Hone)
OPST	= Area Open Stay by STAY Button ( <b>O</b> Pen Stay by <b>S</b> TAY Button)
OPTA	= Output Tamper Alarm ( <b>O</b> ut <b>P</b> ut <b>T</b> amper <b>A</b> larm)
OPTR	= Output Tamper Alarm Restore ( <b>O</b> ut <b>P</b> ut <b>T</b> amper Alarm <b>R</b> estore)
OPTX	= Area Open <i>Normal or Stay</i> by Pendant ( <b>O</b> Pen by Pendant- <b>T</b> X)
OPTZ	= Area Open by Time Zone ( <b>O</b> Pen by <b>T</b> ime <b>Z</b> one)
OPU	= Area Open <i>Normal or Stay</i> by User ( <b>O</b> Pen by <b>U</b> ser)
PCOF	= PC to Panel Comms Ended ( <b>P</b> C to Panel Comms <b>O</b> ff)
PCON	= PC to Panel Comms Started ( <b>P</b> C to Panel Comms <b>O</b> N)
PDTU	= Panel Data sent to DTU ( <b>P</b> anel to <b>D</b> TU Transfer)
PHLA	= Telephone Line Failure (Tele <b>P</b> Hone <b>L</b> ine failure <b>A</b> larm)



## PAST EVENT CODES continued

PHLR	= Telephone Line Failure Restore (Tele <b>PH</b> one <b>L</b> ine Failure <b>R</b> estore)
PHNA	= Dialler Call Un-answered ( <b>PH</b> one Call <b>N</b> ot <b>A</b> nswered)
PHNK	= No Kiss-Off to Dialler Event ( <b>PH</b> one Call <b>N</b> ot <b>K</b> issed-Off )
PRGE	= Exit Program Mode ( <b>PR</b> o <b>G</b> ram Mode <b>E</b> xit)
PRGM	= Enter Program Mode ( <b>PR</b> o <b>G</b> ram <b>M</b> ode Entry)
RVF	= Receiver Fail ( <b>Re</b> <b>C</b> ei <b>V</b> er <b>F</b> ail)
RVR	= Receiver Fail Restore ( <b>Re</b> <b>C</b> ei <b>V</b> er Fail <b>R</b> estore)
RFBA	= RF Zone Battery Low ( <b>RF</b> Zone <b>B</b> attery Low <b>A</b> larm)
RFBR	= RF Zone Battery Restore ( <b>RF</b> Zone <b>B</b> attery <b>R</b> estore)
RFIA	= RF Interference Alarm ( <b>RF</b> <b>I</b> nterference <b>A</b> larm)
RFIR	= RF Interference Alarm Restore ( <b>RF</b> <b>I</b> nterference Alarm <b>R</b> estore)
RFSA	= RF Zone Supervise Fail Alarm ( <b>RF</b> Zone <b>S</b> upervise Fail <b>A</b> larm)
RFSR	= RF Zone Supervise Fail Restore ( <b>RF</b> Zone <b>S</b> upervise Fail <b>R</b> estore)
RFTA	= RF Zone Tamper Alarm ( <b>RF</b> Zone <b>T</b> amper <b>A</b> larm)
RFTR	= RF Zone Tamper Restore ( <b>RF</b> Zone <b>T</b> amper <b>R</b> estore)
RFZD	= Radio Zone Deleted (Radio- <b>RF</b> <b>Z</b> one <b>D</b> eleted)
RFZL	= Learning Radio Zone (Radio- <b>RF</b> <b>Z</b> one <b>L</b> earning)
SPR1	= Spare Off 2
SPR2	= Area Armed Spare 1
SPR3	= Area Armed Spare 2
SPR4	= Area Open Spare 2
STKS	= Area Stay Armed by Keypad ( <b>ST</b> ay by <b>K</b> ey <b>S</b> witch)
STOF	= Soak Test Off ( <b>S</b> oak <b>T</b> est <b>OFF</b> )
STON	= Soak Test On ( <b>S</b> oak <b>T</b> est <b>ON</b> )
STPC	= Area Stay Armed by Upload/Download ( <b>ST</b> ay Armed by <b>PC</b> )
STST	= Area Stay Armed by STAY button ( <b>ST</b> ay Armed by <b>STAY</b> Button)
STTX	= Area Stay Armed by Pendant ( <b>ST</b> ay by Pendant- <b>TX</b> )
STU	= Area Stay Armed by User ( <b>ST</b> ay by <b>U</b> ser)
TMRA	= System Tamper Alarm (System <b>Ta</b> <b>MP</b> er <b>A</b> larm)
TMRR	= System Tamper Alarm Restore (System <b>Ta</b> <b>MP</b> er Alarm <b>R</b> estore)
TXBA	= Pendant-TX Battery Low (Pendant- <b>TX</b> <b>B</b> attery Low <b>A</b> larm)

## PAST EVENT CODES continued

<del>T</del> <del>X</del> <del>B</del> <del>R</del>	= Pendant-TX Battery Low Restore (Pendant- <del>T</del> <del>X</del> Battery Low <del>R</del> Restore)
<del>T</del> <del>X</del> <del>P</del> <del>A</del>	= Pendant-TX Panic Alarm (Pendant- <del>T</del> <del>X</del> Panic <del>A</del> Alarm)
<del>T</del> <del>X</del> <del>P</del> <del>D</del>	= Pendant Deleted ( <del>T</del> <del>X</del> -Pendant <del>D</del> eleted)
<del>T</del> <del>X</del> <del>P</del> <del>L</del>	= Learning Pendant ( <del>T</del> <del>X</del> -Pendant <del>L</del> earning)
<del>T</del> <del>X</del> <del>P</del> <del>R</del>	= Pendant-TX Panic Alarm Restore (Pendant- <del>T</del> <del>X</del> Panic Alarm <del>R</del> Restore)
<del>W</del> <del>T</del> <del>O</del> <del>F</del>	= Walk Test Off ( <del>W</del> alk <del>T</del> est <del>O</del> ff)
<del>W</del> <del>T</del> <del>O</del> <del>N</del>	= Walk Test On ( <del>W</del> alk <del>T</del> est <del>O</del> n)
<del>Z</del> <del>N</del> <del>A</del> <del>A</del>	= Zone Arm Alarm ( <del>Z</del> one <del>A</del> rm <del>A</del> larm)
<del>Z</del> <del>N</del> <del>A</del> <del>R</del>	= Zone Arm Alarm Restore ( <del>Z</del> one <del>A</del> rm <del>A</del> larm <del>R</del> Restore)
<del>Z</del> <del>N</del> <del>B</del> <del>R</del>	= Zone Bypass Re-Instated ( <del>Z</del> one <del>B</del> ypass <del>R</del> e-Instated)
<del>Z</del> <del>N</del> <del>B</del> <del>Y</del>	= Zone Bypass ( <del>Z</del> one <del>B</del> ypass)
<del>Z</del> <del>N</del> <del>N</del> <del>A</del>	= Zone Near Alarm ( <del>Z</del> one <del>N</del> ear <del>A</del> larm)
<del>Z</del> <del>N</del> <del>N</del> <del>R</del>	= Zone Near Alarm Restore ( <del>Z</del> one <del>N</del> ear Alarm <del>R</del> Restore)
<del>Z</del> <del>N</del> <del>S</del> <del>A</del>	= Zone Stay Alarm ( <del>Z</del> one <del>S</del> tay <del>A</del> larm)
<del>Z</del> <del>N</del> <del>S</del> <del>R</del>	= Zone Stay Alarm Restore ( <del>Z</del> one <del>S</del> tay Alarm <del>R</del> Restore)
<del>Z</del> <del>N</del> <del>T</del> <del>A</del>	= Zone Tamper Alarm ( <del>Z</del> one <del>T</del> amper <del>A</del> larm)
<del>Z</del> <del>N</del> <del>T</del> <del>R</del>	= Zone Tamper Alarm Restore ( <del>Z</del> one <del>T</del> amper Alarm <del>R</del> Restore)
<del>Z</del> <del>N</del> <del>V</del> <del>A</del>	= Zone Verified Alarm ( <del>Z</del> one <del>V</del> erified <del>A</del> larm)
<del>Z</del> <del>N</del> <del>V</del> <del>R</del>	= Zone Verified Alarm Restore ( <del>Z</del> one <del>V</del> erified Alarm <del>R</del> Restore)
<del>Z</del> <del>S</del> <del>W</del> <del>A</del>	= Zone Sensorwatch Alarm ( <del>Z</del> one <del>S</del> ensor <del>W</del> atch <del>A</del> larm)
<del>Z</del> <del>S</del> <del>W</del> <del>R</del>	= Zone Sensorwatch Alarm Restore ( <del>Z</del> one <del>S</del> ensor <del>W</del> atch Alarm <del>R</del> Restore)

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