# SIA Alarm Mapping (Concord 4.0) – PRELIMINARY 02/18/05

# **Upper Sensors**

Note:	Shaded items are not reported	Bold items are
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Bold items are new in Concord 4

Touchpad Tamper JA. User Code Tamper Unit   Bus Device Not Hard ET - Expansion Trouble Unit   Automation Device Not Responding ET - Expansion Trouble Unit   Bus Module Tamper Resore ET - Expansion Resore Unit   Bus Module Tamper Resore ET - Expansion Resore Unit   Energy Saver Temp - Freeze Limit ZA - Freeze Trouble 00   Temp. Data not received from ES ZT - Freeze Trouble 00   No Activity NA - No Activity 00 00   No Activity NA - No Activity 00 00   No Activity NA - No Activity Resured 00 00   Touchpad Police Panic FA - Fireze Alarm Unit/Zone   Touchpad Police Panic FA - Fireze Alarm Unit/Zone   Touchpad Police Panic HA - Holdup Alarm Unit/Zone   Touchpad Auxillary Panie MA - Medical Alarm Unit/Zone   Manual Phone Test RX - Manual Test 00   Opening Report CP - Closing Report User/Zone   Duress Alarm HA - Holdup Alarm User/Zone   Duress Alarm HA - Holdup Alarm User/Zone   Duress Alarm CF - Forced Closing User/Zone   Vireless Touchpad Low Battery XT - Fransmitter Battery Troub	Upper Sensor Name or Type	SIA Data Code and short description	Address Field
Automation Device Not Responding     ET - Expansion Trouble     Unit       Bus Module Tamper Restore     ET - Expansion Restore     Unit       Bus Module Tamper Restore     ET - Expansion Restore     Unit       Energy Saver Temp > Freeze Limit     ZA - Freeze Trouble Restore     00       Temp. Data not received from ES     ZT - Freeze Trouble Restore     00       No Activity     NA - No Activity     00       No Activity Restore     NS - Activity Resumed     00       Touchpad Police Panic     FA - Burglary Alarm     Unit/Zone       Touchpad Police Panic     MA - Modical Alarm     Unit/Zone       Touchpad Police Panic Sitent     HA - Holdup Alarm     Unit/Zone       Automatic Phone Test     RX - Manual Test     User       Automatic Phone Test     RP - Automatic Test     User/Zone       Opening Report     User/Zone     User/Zone       Outress Alarm     HA - Holdup Alarm     User/Zone       Outers Anale     CF - Forced Closing     User/Zone       Outress Touchpad Low Battery     XT - Transmitter Battery Trouble     Zone       Atto Force Arm     CF - Forced Closing     User/Zone <	Touchpad Tamper	JA - User Code Tamper	Unit
Bus Module Tamper ET - Expansion Trouble Unit   Bus Module Tamper Restore ET - Expansion Restore Unit   Bus Module Tamper Restore ET - Expansion Restore 00   Temp. Data not received from ES Z1 - Freeze Alarm 00   Temp. > Freeze Limit + 5 ZK - Freeze Trouble Restore 00   No Activity Restore NS - Activity Restore 00   No Activity Restore NS - Activity Restore 00   Touchpad Police Panic FA - Fire Alarm Unit/Zone   Touchpad Police Panic FA - Fire Alarm Unit/Zone   Touchpad Police Panic MA - Medical Alarm Unit/Zone   Manual Phone Test RY - Manual Test User   Automatic Phone Test RY - Manual Test User/Zone   Closing Report CL - Closing Report User/Zone   Obrice Aranic Stept HA - Holdup Alarm User/Zone   User/Zone Cr - Forced Closing User/Zone   Wireless Touchpad Low Battery XT + Transmitter Battery Trouble Zone   Wireless Touchpad Supervisory US - User/Zone	Bus Device Not Heard	ET - Expansion Trouble	Unit
Bus Module Tamper Restore     Err Expansion Restore     Unit       Energy Saver Temp < Freeze Limit	Automation Device Not Responding	ET - Expansion Trouble	Unit
Fnergy Saver Temp < Freeze LimitZAFreeze Trouble00Temp. > Freeze Limit + 5ZI- Freeze Trouble Restore00No ActivityNANo Activity00No Activity RestoreNSActivity Restore00Touchpad Fire PanicFAFire AlarmUnit/ZoneTouchpad Police Panic SilentHAHadup AlarmUnit/ZoneTouchpad Police Panic SilentHAHadup AlarmUnit/ZoneTouchpad Police Panic SilentHAHadup AlarmUnit/ZoneManual Phone TestRPAutomatic Fest00Automatic Phone TestRPAutomatic Test00Opening ReportCPOpening ReportUser/ZoneDuress AlarmHAHoldup AlarmUser/ZoneDuress AlarmHAHoldup AlarmUser/ZoneDuress AlarmHAHoldup AlarmUser/ZoneDuress AlarmHAHoldup AlarmUser/ZoneDuress AlarmHAHoldup AlarmUser/ZoneDuress AlarmHAHoldup AlarmUser/ZoneWireless Touchpad Low BatteryXTTransmitter Battery TroubleZoneWireless Touchpad SupervisoryZoneZoneZoneWireless Touchpad SupervisoryUsSutryped Zone SupervisoryZoneWireless Touchpad SupervisoryYTSystem Battery Trouble00AC Power FasteredAFAC Restoral00Low Panel BatteryYTSystem Battery Trouble00Ac Power Extored <t< td=""><td>Bus Module Tamper</td><td>ET - Expansion Trouble</td><td>Unit</td></t<>	Bus Module Tamper	ET - Expansion Trouble	Unit
Temp. > Data not recived from ESZT - Freeze Trouble00Temp. > Freeze Limit + 5ZR - Freeze Trouble Restore00No ActivityNA - No Activity00No Activity RestoreNS - Activity Resumed00Touchpad Free PanicFA - Fire AlarmUnit/ZoneTouchpad Police PanicPA - Burglary AlarmUnit/ZoneTouchpad Police Panic SilentHA - Holdup AlarmUnit/ZoneTouchpad Valice Panic SilentRA - Modupal AlarmUnit/ZoneManual Phone TestRX - Manual TestUser/ZoneAutomatic Phone TestRY - Automatic Test00Opening ReportCL - Closing ReportUser/ZoneClosing ReportCL - Closing ReportUser/ZoneOuress AlarmHA - Holdup AlarmUser/ZoneVarieless Touchpad Low BatteryXT - Transmitter Battery TroubleZoneWireless Touchpad Low BatteryXT - Transmitter Battery TroubleZoneWireless Touchpad Low BatteryXT - Transmitter Battery TroubleO0AC Power FailureAT - AC Trouble00AC Power RestoredAR - AC Restoral00Low Panel BatteryYT - System Battery Trouble00Low Panel Battery RestoredYR - System Battery Restoral00Low Panel Battery RestoreTA - Tamper Alarm00Panel Tamper RestoreTR - Tamper Alarm00Panel Tamper RestoreTR - Tamper Alarm00Area Creaker StrestoreSA - Rife Restore00Auto Force AnnedYF - System Battery Restore <td>Bus Module Tamper Restore</td> <td>ET - Expansion Restore</td> <td>Unit</td>	Bus Module Tamper Restore	ET - Expansion Restore	Unit
Temp. > Freeze Limit + 5     ZR Freeze Trouble Restore     00       No Activity     NA - No Activity     00       No Activity Restore     NS Activity Resumed     00       Touchpad Fire Panic     FA - Fire Alarm     Unit/Zone       Touchpad Police Panic     PA - Breglary Alarm     Unit/Zone       Touchpad Police Panic Silent     HA - Holdup Alarm     Unit/Zone       Manual Phone Test     RA - Manual Test     User       Automatic Phone Test     RP - Automatic Test     00       Opening Report     OP - Opening Report     User/Zone       Outopad Force Armed     CF - Forced Closing     User/Zone       Auto Force Arm     CF - Forced Closing     User/Zone       Wireless Touchpad Low Battery     XT - transmitter Battery Trouble     Zone       Wireless Touchpad Supervisory     US     Zone     Zone       Wireless Touchpad Supervisory     VT - System Battery Trouble     00     Qo       AC Power Failure     AT - AC Touble     00     Qo       AC Power Failure     AT - AC Touble     00     Qo       Ac Power Restored     R - Ac Restoral     00	Energy Saver Temp < Freeze Limit	ZA - Freeze Alarm	00
No Activity NA - No Activity 00   No Activity Restore NS - Activity Resumed 00   Touchpad Police Panic FA - Fire Alarm Unit/Zone   Touchpad Police Panic HA - Burglary Alarm Unit/Zone   Touchpad Police Panic Silent HA - Hedical Alarm Unit/Zone   Touchpad Auxiliary Panic MA - Medical Alarm Unit/Zone   Manual Phone Test RX - Manual Test User   Automatic Phone Test RP - Automatic Test 00   Opening Report CL - Closing Report User/Zone   Closing Report CL - Closing Report User/Zone   Force Armed CF - Forced Closing User/Zone   Autoratic Phone Test RX - Manual Test User/Zone   Force Armed CF - Forced Closing User/Zone   Mireless Touchpad Low Battery XT - Transmitter Battery Trouble Zone   Wireless Touchpad La Restore XR - Autoped Zone Restoral Zone   Wireless Touchpad LB Restore AR - AC Rouble 00   AC Power Failure AT - AC Touble 00   Low Panel Battery YT - System Battery Trouble 00   Low Panel Battery YT - System Battery Trouble 00   Low Panel Battery VY - System Battery Restoral 00		ZT - Freeze Trouble	00
No Activity Restore NS - Activity Resumed 00   Touchpad Fire Panic FA - Fire Alarm Unit/Zone   Touchpad Police Panic PA - Burglary Alarm Unit/Zone   Touchpad Police Panic HA - Holdup Alarm Unit/Zone   Touchpad Auxiliary Panic MA - Medical Alarm Unit/Zone   Manual Phone Test RX - Manual Test User   Automatic Phone Test RP - Automatic Test 00   Opening Report OP - Opening Report User/Zone   Closing Report CL - Closing Report User/Zone   Duress Alarm HA - Holdup Alarm User/Zone   Auto Force Arm CF - Forced Closing User/Zone   Wireless Touchpad Low Battery XT - Transmitter Battery Trouble Zone   Wireless Touchpad La Restore XR - Untyped Zone Supervisory Zone   Wireless Touchpad La Restore XR - AC Restoral 00   CP ower Failure AT - AC Trouble 00 CA CPower Restored   AR - AC Restoral 00 00 00   Low Panel Battery YT - System Battery Trouble 00   Low Panel Battery Restored YR - System Battery Restoral 00   Panel Tamper TA - AC Trouble 00   AC Power Failure AR - AC Restoral 00	Temp. > Freeze Limit + 5	ZR - Freeze Trouble Restore	00
Touchpad Fire PanicFA - Fire AlarmUnit/ZoneTouchpad Police PanicPA - Burglary AlarmUnit/ZoneTouchpad Auxiliary PanicHA - Holdup AlarmUnit/ZoneManual Phone TestRX - Manual TestUserManual Phone TestRY - Automatic Test00Opening ReportOP - Opening ReportUser/ZoneClosing ReportCL - Closing ReportUser/ZoneOuress AlarmHA - Holdup AlarmUserForce ArmedCF - Forced ClosingUser/ZoneWireless Touchpad Low BatteryXT - Transmitter Battery TroubleZoneWireless Touchpad Low BatteryXT - Transmitter Battery TroubleZoneWireless Touchpad Low BatteryXT - Transmitter Battery TroubleZoneAC Power FailureAT - AC Trouble00AC Power RestoredAR - Ac Restoral00Low Panel BatteryYT - System Battery Trouble00Low Panel Battery RestoredYR - System Battery Restored00Panel TamperTA - Tamper Alarm00Panel Tamper RestoreTR - Tamper Alarm00Receiver JammedXQ - RF Interference00Aux. Power Trouble DC LossET - Expansion TroubleUnitAux. Power Trouble DC LossCS - Antenna TamperUnitAux. Power Trouble DC LossCS - Antenna TamperUser/ZoneLate to CloseCJ - Late CloseUser/ZoneLate to CloseCJ - Late CloseUser/ZoneLate to CloseCJ - Late CloseUser/ZoneLate to Close<	No Activity		00
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Touchpad Auxiliary PanicMA - Medical AlarmUnit/ZoneManual Phone TestRX - Manual TestUserAutomatic Phone TestRP - Automatic Test00Opening ReportOP - Opening ReportUser/ZoneClosing ReportCL - Closing ReportUser/ZoneDuress AlarmHA - Holdup AlarmUserForce ArmedCF - Forced ClosingUser/ZoneAuto Force ArmCF - Forced ClosingUser/ZoneWireless Touchpad Lub RatteryXT - Transmitter Battery TroubleZoneWireless Touchpad Lub RestoreXR - Untyped Zone SupervisoryZoneAC Power RestoredAR - AC Restoral00AC Power RestoredAR - AC Restoral00Low Panel BatteryYT - System Battery Trouble00Panel Tamper RestoredYR - System Battery Restoral00Panel Tamper RestoredXS - Attenna Tamper00Auto-Receiver JammedXQ - KF Interference00Auto-Nover Trouble DC LossET - Expansion Trouble00Aux. Power Trouble AC FailET - Expansion TroubleUnitAux. Power Trouble CC FailR - Power Up00Phone Trouble COseCI - Expansion Trouble00Panel RestoreR - Power Up00Phone Trouble CoseCI - Expansion TroubleUnitAux. Power Trouble CL SesCI - Expansion TroubleUnitAux. Power Trouble CL SesCI - Expansion TroubleUser/ZoneLate to OpenQI - Late CloseUser/ZoneLate to OpenQI - L	Touchpad Police Panic	PA - Burglary Alarm	Unit/Zone
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Automatic Phone TestRP - Automatic Test00Opening ReportOP - Opening ReportUser/ZoneClosing ReportCL - Closing ReportUser/ZoneDuress AlarmHA - Holdup AlarmUserForce ArmedCF - Forced ClosingUser/ZoneAuto Force ArmCF - Forced ClosingUser/ZoneWireless Touchpad Low BatteryXT - Transmitter Battery TroubleZoneWireless Touchpad LB RestoreXR - Untyped Zone SupervisoryZoneAC Power FailureAT - AC Trouble00AC Power RestoredAR - AC Restoral00Low Panel BatteryYT - System Battery Trouble00Low Panel Battery RestoredYR - System Battery Restoral00Panel TamperTA - Tamper Alarm00Panel TamperTA - Tamper Restore00Receiver SupervisoryXS - RF Receiver Tamper00Aux. Power Trouble DC LossET - Expansion TroubleUnit, Sys=0Aux. Power Trouble Low BatteryET - Expansion TroubleUnitPanel Back in ServiceRR - Power Up00Phone Line RestoreLin - Phone Line Restore00Late to CloseCJ - Late CloseUser/ZoneLate to OpenOK - Early OpenUser/ZoneEarly to CloseCJ - Late OpenUser/ZoneEarly to CloseCK - Early OpenUser/ZoneEarly to CloseCJ - Late OpenUser/ZoneEarly to CloseCJ - Late OpenUser/ZoneEarly to CloseCJ - Late CloseUser/Zone <tr< td=""><td>Touchpad Auxiliary Panic</td><td></td><td>Unit/Zone</td></tr<>	Touchpad Auxiliary Panic		Unit/Zone
Automatic Phone TestRP - Automatic Test00Opening ReportOP - Opening ReportUser/ZoneClosing ReportCL - Closing ReportUser/ZoneDuress AlarmHA - Holdup AlarmUserForce ArmedCF - Forced ClosingUser/ZoneAuto Force ArmCF - Forced ClosingUser/ZoneWireless Touchpad Low BatteryXT - Transmitter Battery TroubleZoneWireless Touchpad LB RestoreXR - Untyped Zone SupervisoryZoneAC Power FailureAT - AC Trouble00AC Power RestoredAR - AC Restoral00Low Panel BatteryYT - System Battery Trouble00Low Panel Battery RestoredYR - System Battery Restoral00Panel TamperTA - Tamper Alarm00Panel TamperTA - Tamper Alarm00Receiver SupervisoryXS - Antenna Tamper00Aux. Power Trouble DC LossET - Expansion TroubleUnit, Sys=0Aux. Power Trouble LOC BatteryET - Expansion TroubleUnitPanel Back in ServiceRR - Power Up00Phone Line RestoreLin - Phone Line Restore00Late to CloseCJ - Late CloseUser/ZoneLate to OpenOK - Early OpenUser/ZoneEarly to CloseCJ - Late OpenUser/ZoneEar	*	RX - Manual Test	User
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Closing ReportCL - Closing ReportUser/ZoneDuress AlarmHA - Holdup AlarmUserForce ArmedCF - Forced ClosingUser/ZoneAuto Force ArmCF - Forced ClosingUser/ZoneWireless Touchpad Low BatteryXT - Transmitter Battery TroubleZoneWireless Touchpad LB RestoreXR - Untyped Zone SupervisoryZoneAC Power FailureAT - AC Trouble00AC Power FailureAT - AC Trouble00Low Panel BatteryYT - System Battery Trouble00Low Panel Battery RestoredAR - AC Restoral00Low Panel Battery RestoredYR - System Battery Trouble00Low Panel Battery RestoredTA - Tamper Alarm00Panel Tamper RestoreTR - Tamper Restore00Receiver JammedXO - RF Interference00Antenna TamperXS - Antenna TamperUnit, Sys=0Aux. Power Trouble Low BatteryET - Expansion TroubleUnitAux. Power Trouble Low BatteryET - Expansion TroubleUnitAux. Power Trouble Low BatteryET - Expansion TroubleUnitAux. Power Trouble CoreR - Power Up00Phone Line RestoreLine Prover Line Restore00Phone Line RestoreLine Phone Line Restore00Phone Line RestoreLine Phone Line Restore00Phone Line RestoreLine TroubleUnitPanel TamperCL - Expansion TroubleUnitLate to CloseCJ - Late CloseUser/ZoneLate to OpenOI -	Opening Report	OP - Opening Report	User/Zone
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Late to OpenOJ - Late OpenUser/ZoneEarly to CloseCK - Early CloseUser/ZoneEarly to OpenOK - Early OpenUser/ZoneFail to CloseCI - Fail to Close00Fail to OpenOI - Fail to Open00Events ReportJL - Log Threshold00Entering Sensor TestTS - Test StartUser	Phone Line Restore	LR - Phone Line Restore	00
Early to CloseCK - Early CloseUser/ZoneEarly to OpenOK - Early OpenUser/ZoneFail to CloseCI - Fail to Close00Fail to OpenOI - Fail to Open00Events ReportJL - Log Threshold00Entering Sensor TestTS - Test StartUser	Late to Close	CJ - Late Close	User/Zone
Early to OpenOK - Early OpenUser/ZoneFail to CloseCI - Fail to Close00Fail to OpenOI - Fail to Open00Events ReportJL - Log Threshold00Entering Sensor TestTS - Test StartUser			
Fail to CloseCI - Fail to Close00Fail to OpenOI - Fail to Open00Events ReportJL - Log Threshold00Entering Sensor TestTS - Test StartUser		CK - Early Close	User/Zone
Fail to OpenOI - Fail to Open00Events ReportJL - Log Threshold00Entering Sensor TestTS - Test StartUser	Early to Open	OK - Early Open	User/Zone
Events ReportJL - Log Threshold00Entering Sensor TestTS - Test StartUser	Fail to Close	CI - Fail to Close	00
Events ReportJL - Log Threshold00Entering Sensor TestTS - Test StartUser	Fail to Open	OI - Fail to Open	00
Entering Sensor Test TS - Test Start User	1		
	1		
opper sensor mane or rype sin bata couc and short description Audiess Field	Upper Sensor Name or Type	SIA Data Code and short description	Address Field

Exiting Sensor Test	TE - Test End	User
Recent Closing	CR - Recent Closing	User/Zone
Exit Error	EE - Exit Error	User/Zone
No Usage	TC- All Points Tested	00
Two Trip Error	XM - Missing Alarm, Cross Point	Zone
Entering Installer Programming	LB - Local Programming Begun	00
Exiting Installer Programming	LX - Local Programming Ended	00
Cellular Backup Failure	YC - Communications Fail	00
Cellular Backup Restoral	YK - Communications Restoral	00
Smoke Detector Reset	FR - Fire Restoral	00

# **Special Reports for AVM**

Mode Activated	SIA Message Sent	Address Field
Instant	Lnnn (nnn is seconds of access timeout)	N/A
Callback	AUDIO CALLBACK!!	N/A

**Normal Sensors** The 1<sup>st</sup> digit is dependent on the zone group number. The groups are classified as shown below.

Sensor Groups	SIA Reporting Category	1 <sup>st</sup> Data Code
00 - 01	Panic	Р
02 - 03	Silent Panic	Н
04 - 07	Emergency	Q
08 - 09	Burglary	В
10 - 12	Entry/Exit	В
13	Perimeter	В
14 - 20	Interior	В
21 – 25	[Non-Reporting Groups]	Not Applicable
26	Fire	F
27 - 28	[Non-Reporting Groups]	Not Applicable
29	Freeze	Ζ
32	[Non-Reporting Group]	Not Applicable
33	Untyped (RF Siren)	U
34	Gas (CO)	G
35	Burglary (Day Zone)	В
38	Water Sensor	W
42	Silent	Н

**Normal Sensors** The 2<sup>nd</sup> digit is dependent on the report classification.

Report Classification	2 <sup>nd</sup> Data Code
Alarm	А
Bypass	В
Alarm Cancel	Н
Trouble Restore	J
Restoral	R
Supervisory	S
Trouble	Т
Unbypass	U

Tampers are reported as a 'TA' (tamper alarm) when system is armed or if 24 hour tamper is set. Otherwise tampers are not reported (just like UG). Low batteries are reported as 'XT'/'XR' (transmitter battery trouble/transmitter battery restoral). Exit Faults are reported as 'EE' (Exit Error) with User, plus 'BA' (Burg. Alarm) for the zone. These are three special cases where normal sensors are not reported according to their sensor group. A zone number is always included in a normal sensor.

### Zone Definitions

Zone Number Range
00
01499
500595
597
598
599
600855
900999

\* - affected by setting of TP PANIC RPT FMT (Reporting/Global option)

# **Miscellaneous Zones Definitions**

Miscellaneous Zone Number	Miscellaneous Zone Type
900	Premise Phone
901	During Phone Conversation
902	Remote Access
906	Auto Stay Arming
907	Automation Module
908	Keyswitch Arming Zone
909	Reboot or other CPU Function

## **User Codes Definitions**

Code	Description
600-829	Regular User Codes
830-837	Partition Master Codes (P1-8)
838-845	Partition Duress Codes (P1-8)
846	System Master Code
847	Installer Code
848	Dealer Code
849	AVM Code
850	Quick Arm
851	Keyswitch sensor
852	System

## **Examples**

'Police Panic 502' – This would be a touchpad panic at bus address two. 'Opening 001' – This would be an opening from a disarming device learned as sensor number one.

'Police Panic 002' – This would be a police panic by device learned as sensor number two. 'Police Panic 598' --- This would be a touchpad panic from a source with TP PANIC RPT FMT = 1