

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

Upper Sensors

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

Upper Sensor Name or Type	SIA Data Code and short description	Address Field
Touchpad Tamper	JA - User Code Tamper	Unit
Bus Device Not Heard	ET - Expansion Trouble	Unit
Automation Device Not Responding	ET - Expansion Trouble	Unit
Bus Module Tamper	ET - Expansion Trouble	Unit
Bus Module Tamper Restore	ET - Expansion Restore	Unit
Energy Saver Temp < Freeze Limit	ZA - Freeze Alarm	00
Temp. Data not received from ES	ZT - Freeze Trouble	00
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 - Burglary Alarm	Unit/Zone
Touchpad Police Panic Silent	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
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 - Untyped Zone Supervisory	Zone
Wireless Touchpad LB Restore	XR - Untyped Zone Restoral	Zone
AC Power Failure	AT - AC Trouble	00
AC Power Restored	AR - AC Restoral	00
Low Panel Battery	YT - System Battery Trouble	00
Low Panel Battery Restored	YR - System Battery Restoral	00
Panel Tamper	TA - Tamper Alarm	00
Panel Tamper Restore	TR - Tamper Restore	00
Receiver Jammed	XQ - RF Interference	00
Receiver Supervisory	XS - RF Receiver Tamper	00
Antenna Tamper	XS - Antenna Tamper	Unit, Sys=0
Aux. Power Trouble DC Loss	ET - Expansion Trouble	Unit, Sys=0
Aux. Power Trouble Low Battery	ET - Expansion Trouble	Unit
Aux. Power Trouble AC Fail	ET - Expansion Trouble	Unit
Panel Back in Service	RR - Power Up	00
Phone Trouble	LT - Phone Line Trouble	00
Phone Line Restore	LR - Phone Line Restore	00
Late to Close	CJ - Late Close	User/Zone
Late to Open	OJ - Late Open	User/Zone
Early to Close	CK - Early Close	User/Zone
Early to Open	OK - Early Open	User/Zone
Fail to Close	CI - Fail to Close	00
Fail to Open	OI - Fail to Open	00
Events Report	JL - Log Threshold	00
Entering Sensor Test	TS - Test Start	User
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 1st digit is dependent on the zone group number. The groups are classified as shown below.

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

Normal Sensors

The 2nd digit is dependent on the report classification.

Report Classification	2 nd Data Code
Alarm	A
Bypass	B
Alarm Cancel	H
Trouble Restore	J
Restoral	R
Supervisory	S
Trouble	T
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 Type	Zone Number Range
System Zone	00
Normal Sensor Zones	01...499
Bus Zones	500...595
TP AUX PANIC*	597
TP POLICE PANIC*	598
TP FIRE PANIC*	599
User Codes	600...855
Miscellaneous Zones	900...999

* - 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