



White Paper

CID to Serial 3

How Messages Are Converted When Using the DMP CellCom or DMP iCom Universal Alarm Communications with Alarm Panels Programmed to Use CID

The following chart is for security companies using the DMP CellCom or DMP iCom Universal Alarm Communicators in combination with alarm panels programmed to communicate signals to the central station using the ContactID (CID) format. The DMP CellCom and DMP iCom Universal Alarm Communicators are designed to communicate to a DMP receiver. Accordingly, the ContactID message from the CellCom or iCom must be converted to DMP's Serial 3 format.

While Serial 3 messages use a combination of numbers and letters, each ContactID message has 15 number fields plus a checksum. (See DMP's "Host Communication Specification" for details about Serial 3 and see the Security Industry Association document "SIA DC-05-1999.09" for details about CID.)

In the CID format:

Fields 1-4 are the account number

Fields 5-6 indicate that a message is in CID format

Field 7 is an event qualifier indicated by either a 1, 3 or 6 to convey information as follows:

- 1 - New event or opening
- 3 - New restoral or closing
- 6 - Previously reported condition still present (status report)

As indicated on the following chart, the Serial 3 format denotes an event or opening with the letters "Za" as the first two characters of a text-based message, while restorals or closings use the letters "Zr" in the same position in the message. If a ContactID message is sent with a "6" as the event qualifier, Serial 3 will resend the original message to which the status report applies with a Serial 3 equipment message (Ze) as the first two characters.

Fields 8-10 of the CID format contain a three-digit event code that represents specific information about the state of the alarm system.

The chart below shows how messages are converted from ContactID format to DMP Serial 3 format. It focuses specifically on how the codes used in fields 8-10 are represented in DMP format. The pertinent portion of the Serial 3 message is the first eight characters in the format Z****\t. Please see the DMP document "Host Communication Specification" for additional details about the Serial 3 messages. In most cases, the text description associated with the event code also is sent.

Fields 11-12 are the partition number. For openings and closings, Serial 3 transmits the partition number where the string of three asterisks is shown in the attached chart. Serial 3 does not transmit the partition number for other types of signals. Instead, it only displays the zone number. (See Fields 13-15)

Fields 13-15 are the zone number (or for opening and closings, this is the user number). Serial 3 displays the zone number (or, where appropriate the user number) where the three consecutive asterisks are shown in the attached chart. For openings and closings, the user number is sent where the string of 5 asterisks is shown.

Field 16 is the checksum.

The following table gives the event and restoral output for various CID events.

ContactID Event		Serial 3 Message	
Code	Description	Event / Opening	Restore / Closing
Medical Alarms -100			
100	Medical	Za\037\t "EM\z ***"MEDICAL \	Zr\037\t "EM\z ***"MEDICAL \
101	Personal Emergency	Za\037\t "EM\z ***"EMERGENCY \	Zr\037\t "EM\z ***"EMERGENCY \
102	Fail to report in	Za\037\t "EM\z ***"FAIL TO REPORT \	Zr\037\t "EM\z ***"FAIL TO REPORT \
Fire Alarms -110			
110	Fire	Za\037\t "FI\z ***"FIRE \	Zr\037\t "FI\z ***"FIRE \
111	Smoke	Za\037\t "FI\z ***"SMOKE \	Zr\037\t "FI\z ***"SMOKE \
112	Combustion	Za\037\t "FI\z ***"COMBUSTION \	Zr\037\t "FI\z ***"COMBUSTION \
113	Water flow	Za\037\t "FI\z ***"WATERFLOW \	Zr\037\t "FI\z ***"WATERFLOW \

114	Heat	Za\037\t "FI\z ***"HEAT DETECTOR \	Zr\037\t "FI\z ***"HEAT DETECTOR \
115	Pull Station	Za\037\t "FI\z ***"PULL STATION \	Zr\037\t "FI\z ***"PULL STATION \
116	Duct	Za\037\t "FI\z ***"DUCT DETECTOR \	Zr\037\t "FI\z ***"DUCT DETECTOR \
117	Flame	Za\037\t "FI\z ***"FLAME DETECTOR \	Zr\037\t "FI\z ***"FLAME DETECTOR \
118	Near Alarm	Za\037\t "FI\z ***"NEAR ALARM \	Zr\037\t "FI\z ***"NEAR ALARM \
Panic Alarms -120			
120	Panic	Za\037\t "PN\z ***"PANIC \	Zr\037\t "PN\z ***"PANIC \
121	Duress	Za\037\t "PN\z ***"DURESS \	Zr\037\t "PN\z ***"DURESS \
122	Silent	Za\037\t "PN\z ***"SILENT \	Zr\037\t "PN\z ***"SILENT \
123	Audible	Za\037\t "PN\z ***"AUDIBLE \	Zr\037\t "PN\z ***"AUDIBLE \
124	Duress - Access granted	Za\037\t "PN\z ***"DURESS W/ACCESS \	Zr\037\t "PN\z ***"DURESS W/ACCESS \

125	Duress - Egress granted	Za\037\t "PN\z ***"DURESS WO/ACCESS\	Zr\037\t "PN\z ***"DURESS WO/ACCESS\
Burglar Alarms -130			
130	Burglary	Za\037\t "BU\z ***"BURGLARY \	Zr\037\t "BU\z ***"BURGLARY \
131	Perimeter	Za\037\t "BU\z ***"PERIMETER \	Zr\037\t "BU\z ***"PERIMETER \
132	Interior	Za\037\t "BU\z ***"INTERIOR \	Zr\037\t "BU\z ***"INTERIOR \
133	24 Hour (Safe)	Za\037\t "BU\z ***"24 HR (SAFE) \	Zr\037\t "BU\z ***"24 HR (SAFE) \
134	Entry/Exit	Za\037\t "BU\z ***"ENTRY/EXIT \	Zr\037\t "BU\z ***"ENTRY/EXIT \
135	Day/night	Za\037\t "BU\z ***"DAY/NIGHT \	Zr\037\t "BU\z ***"DAY/NIGHT \
136	Outdoor	Za\037\t "BU\z ***"OUTDOOR \	Zr\037\t "BU\z ***"OUTDOOR \
137	Tamper	Za\037\t "BU\z ***"TAMPER \	Zr\037\t "BU\z ***"TAMPER \
138	Near alarm	Za\037\t "BU\z ***"NEAR ALARM \	Zr\037\t "BU\z ***"NEAR ALARM \

139	Intrusion Verifier	Za\037\t "BU\z ***"INTRUSION VERIFY\	Zr\037\t "BU\z ***"INTRUSION VERIFY\
General Alarm -140			
140	General Alarm	Za\037\t "SV\z ***"GENERAL ALARM \	Zr\037\t "SV\z ***"GENERAL ALARM \
141	Polling loop open	Za\037\t "SV\z ***"POLLING LOOP OPN\	Zr\037\t "SV\z ***"POLLING LOOP OPN\
142	Polling loop short	Za\037\t "SV\z ***"POLLING LOOP SHR\	Zr\037\t "SV\z ***"POLLING LOOP SHR\
143	Expansion module failure	Za\037\t "SV\z ***"EXP MODULE FAIL \	Zr\037\t "SV\z ***"EXP MODULE FAIL \
144	Sensor tamper	Za\037\t "SV\z ***"SENSOR TAMPER \	Zr\037\t "SV\z ***"SENSOR TAMPER \
145	Expansion module tamper	Za\037\t "SV\z ***"EXP MODULE TMPR \	Zr\037\t "SV\z ***"EXP MODULE TMPR \
146	Silent Burglary	Za\037\t "BU\z ***"SILENT BURGLARY \	Zr\037\t "BU\z ***"SILENT BURGLARY \
147	Sensor Supervision Failure	Za\037\t "SV\z ***"SENSOR SUPV \	Zr\037\t "SV\z ***"SENSOR SUPV \
24 Hour Non-Burglary -150 and 160			

150	24 Hour Non-Burglary	Za\037\t "SV\z ***"24 HR NON-BURG \	Zr\037\t "SV\z ***"24 HR NON-BURG \
151	Gas detected	Za\037\t "SV\z ***"GAS DETECTOR \	Zr\037\t "SV\z ***"GAS DETECTOR \
152	Refrigeration	Za\037\t "SV\z ***"REFRIGERATION \	Zr\037\t "SV\z ***"REFRIGERATION \
153	Loss of heat	Za\037\t "SV\z ***"LOSS OF HEAT \	Zr\037\t "SV\z ***"LOSS OF HEAT \
154	Water Leakage	Za\037\t "SV\z ***"WATER LEAKAGE \	Zr\037\t "SV\z ***"WATER LEAKAGE \
155	Foil Break	Za\037\t "SV\z ***"FOIL BREAK \	Zr\037\t "SV\z ***"FOIL BREAK \
156	Day Trouble	Za\037\t "SV\z ***"DAY TROUBLE \	Zr\037\t "SV\z ***"DAY TROUBLE \
157	Low bottled gas level	Za\037\t "SV\z ***"LOW GAS LEVEL \	Zr\037\t "SV\z ***"LOW GAS LEVEL \
158	High temp	Za\037\t "SV\z ***"HIGH TEMP \	Zr\037\t "SV\z ***"HIGH TEMP \
159	Low temp	Za\037\t "SV\z ***"LOW TEMP \	Zr\037\t "SV\z ***"LOW TEMP \

161	Loss of air flow	Za\037\t "SV\z ***"LOW AIR FLOW \	Zr\037\t "SV\z ***"LOW AIR FLOW \
162	Carbon Monoxide detected	Za\037\t "SV\z ***"CO DETECTOR \	Zr\037\t "SV\z ***"CO DETECTOR \
163	Tank level	Za\037\t "SV\z ***"TANK LEVEL \	Zr\037\t "SV\z ***"TANK LEVEL \
Fire Supervisory -200 and 210			
200	Fire Supervisory	Za\037\t "SV\z ***"FIRE SUPERVISORY\	Zr\037\t "SV\z ***"FIRE SUPERVISORY\
201	Low water pressure	Za\037\t "SV\z ***"LOW WATER PRESS \	Zr\037\t "SV\z ***"LOW WATER PRESS \
202	Low CO2	Za\037\t "SV\z ***"LOW CO2 \	Zr\037\t "SV\z ***"LOW CO2 \
203	Gate valve sensor	Za\037\t "SV\z ***"GATE VALVE \	Zr\037\t "SV\z ***"GATE VALVE \
204	Low water level	Za\037\t "SV\z ***"LOW WATER LEVEL \	Zr\037\t "SV\z ***"LOW WATER LEVEL \
205	Pump activated	Za\037\t "SV\z ***"PUMP ACTIVATED \	Zr\037\t "SV\z ***"PUMP ACTIVATED \

206	Pump failure	Za\037\t "SV\z ***"PUMP FAILURE \	Zr\037\t "SV\z ***"PUMP FAILURE \
System Troubles -300 and 310			
300	System Trouble	Zt\037\t "SV\z ***"SYSTEM TROUBLE \	Zr\037\t "SV\z ***"SYSTEM TROUBLE \
301	AC Loss	Zs\012\t 8\	Zs\012\t 0\
302	Low system battery	Zs\012\t 9\	Zs\012\t 1\
303	RAM Checksum bad	Zt\037\t "SV\z ***"RAM CKSUM BAD \	Zr\037\t "SV\z ***"RAM CKSUM BAD \
304	ROM checksum bad	Zt\037\t "SV\z ***"ROM CKSUM BAD \	Zr\037\t "SV\z ***"ROM CKSUM BAD \
305	System reset	Zt\037\t "SV\z ***"SYSTEM RESET \	Zr\037\t "SV\z ***"SYSTEM RESET \
306	Panel programming changed	Zs\013\t 86\	Zs\013\t 86\
307	Self-test failure	Zt\037\t "SV\z ***"SELF- TEST FAIL \	Zr\037\t "SV\z ***"SELF- TEST FAIL \
308	System shutdown	Zt\037\t "SV\z ***"SYS SHUTDOWN \	Zr\037\t "SV\z ***"SYS SHUTDOWN \

309	Battery test failure	Zs\012\t 8\	Zs\012\t 0\
310	Ground fault	Zt\037\t "SV\z ***"GROUND FAULT \	Zr\037\t "SV\z ***"GROUND FAULT \
311	Battery Missing/Dead	Zt\037\t "SV\z ***"BATTERY MISSING \	Zr\037\t "SV\z ***"BATTERY MISSING \
312	Power Supply Overcurrent	Zt\037\t "SV\z ***"POWER SUPPLY OVC \	Zr\037\t "SV\z ***"POWER SUPPLY OVC \
313	Engineer Reset	Zt\037\t "SV\z ***"ENGINEER RST \	Zr\037\t "SV\z ***"ENGINEER RST \
Sounder / Relay Troubles -320			
320	Sounder/Relay	Zt\037\t "SV\z ***"SOUNDER/RELAY \	Zr\037\t "SV\z ***"SOUNDER/RELAY \
321	Bell 1	Zs\013\t 38\	Zs\013\t 39\
322	Bell 2	Zs\013\t 38\	Zs\013\t 39\
323	Alarm relay	Zt\037\t "SV\z ***"ALARM RELAY \	Zr\037\t "SV\z ***"ALARM RELAY \
324	Trouble relay	Zt\037\t "SV\z ***"TROUBLE RELAY \	Zr\037\t "SV\z ***"TROUBLE RELAY \

325	Reversing relay	Zt\037\t "SV\z ***"REVERSING RLY \	Zr\037\t "SV\z ***"REVERSING RLY \
326	Notification Appliance Ckt. #3	Zt\037\t "SV\z ***"NOTIFICATION #3 \	Zr\037\t "SV\z ***"NOTIFICATION #3 \
327	Notification Appliance Ckt. #4	Zt\037\t "SV\z ***"NOTIFICATION #4 \	Zr\037\t "SV\z ***"NOTIFICATION #4 \
System Peripheral Trouble -330 and 340			
330	System Peripheral trouble	Zt\037\t "SV\z ***"SYS PERIPHERAL \	Zr\037\t "SV\z ***"SYS PERIPHERAL \
331	Polling loop open	Zt\037\t "SV\z ***"POLLING LOOP OP \	Zr\037\t "SV\z ***"POLLING LOOP OP \
332	Polling loop short	Zt\037\t "SV\z ***"POLLING LOOP SH \	Zr\037\t "SV\z ***"POLLING LOOP SH \
333	Expansion module failure	Zt\037\t "SV\z ***"EXP MODULE FAIL \	Zr\037\t "SV\z ***"EXP MODULE FAIL \
334	Repeater failure	Zt\037\t "SV\z ***"REPEATER FAIL \	Zr\037\t "SV\z ***"REPEATER FAIL \
335	Local printer out of paper	Zt\037\t "SV\z ***"LOW PRTR PAPER \	Zr\037\t "SV\z ***"LOW PRTR PAPER \

336	Local printer failure	Zt\037\t "SV\z ***"LCL PRINTER FAIL\	Zr\037\t "SV\z ***"LCL PRINTER FAIL\
337	Exp. Module DC Loss	Zt\037\t "SV\z ***"EXP MODULE DC \	Zr\037\t "SV\z ***"EXP MODULE DC \
338	Exp. Module Low Batt.	Zt\037\t "SV\z ***"EXP MODULE BATT \	Zr\037\t "SV\z ***"EXP MODULE BATT \
339	Exp. Module Reset	Zt\037\t "SV\z ***"EXP MODULE RESET\	Zr\037\t "SV\z ***"EXP MODULE RESET\
341	Exp. Module Tamper	Zt\037\t "SV\z ***"EXP MODULE TMPR \	Zr\037\t "SV\z ***"EXP MODULE TMPR \
342	Exp. Module AC Loss	Zt\037\t "SV\z ***"EXP MODULE AC \	Zr\037\t "SV\z ***"EXP MODULE AC \
343	Exp. Module self-test fail	Zt\037\t "SV\z ***"EXP MOD SLF TEST\	Zr\037\t "SV\z ***"EXP MOD SLF TEST\
344	RF Receiver Jam Detect	Zs\013\t 32\	Zs\013\t 89\
Communication Troubles -350 and 360			
350	Communication trouble	Zs\013\t 72\	Zs\013\t 73\
351	Telco 1 fault	Zs\013\t 28\	Zs\013\t 29\

352	Telco 2 fault	Zs\013\t 30\	Zs\013\t 31\
353	Long Range Radio xmitter fault	Zt\037\t "SV\z ***"LRR XMIT FAIL \	Zr\037\t "SV\z ***"LRR XMIT FAIL \
354	Failure to communicate event	Zt\037\t "SV\z ***"FAIL TO COMM EVT\	Zr\037\t "SV\z ***"FAIL TO COMM EVT\
355	Loss of Radio supervision	Zt\037\t "SV\z ***"LRR SUPV FAIL \	Zr\037\t "SV\z ***"LRR SUPV FAIL \
356	Loss of central polling	Zt\037\t "SV\z ***"CENTRL POLL FAIL\	Zr\037\t "SV\z ***"CENTRL POLL FAIL\
357	Long Range Radio VSWR problem	Zt\037\t "SV\z ***"LRR VSWR \	Zr\037\t "SV\z ***"LRR VSWR \
Protection Loop -370			
370	Protection loop	Za\037\t "SV\z ***"PROTECTION LOOP \	Zr\037\t "SV\z ***"PROTECTION LOOP \
371	Protection loop open	Za\037\t "SV\z ***"PROTECTION OPEN \	Zr\037\t "SV\z ***"PROTECTION OPEN \
372	Protection loop short	Za\037\t "SV\z ***"PROTECTION SHRT \	Zr\037\t "SV\z ***"PROTECTION SHRT \
373	Fire trouble	Zt\037\t "FI\z ***"FIRE TROUBLE \	Zr\037\t "FI\z ***"FIRE TROUBLE \

374	Exit error alarm (zone)	Zt\037\t "BU\z ***"EXIT ERROR \	Zr\037\t "BU\z ***"EXIT ERROR \
375	Panic zone trouble	Zt\037\t "PN\z ***"PANIC TROUBLE \	Zr\037\t "PN\z ***"PANIC TROUBLE \
376	Hold-up zone trouble	Zt\037\t "PN\z ***"HOLDUP TROUBLE \	Zr\037\t "PN\z ***"HOLDUP TROUBLE \
377	Swinger Trouble	Zt\037\t "BU\z ***"SWINGER TROUBLE \	Zr\037\t "BU\z ***"SWINGER TROUBLE \
378	Cross-zone Trouble	Zt\037\t "BU\z ***"CROSS- ZONE TRBL \	Zr\037\t "BU\z ***"CROSS- ZONE TRBL \
Sensor Trouble -380			
380	Sensor trouble	Zt\037\t "SV\z ***"SENSOR TROUBLE \	Zr\037\t "SV\z ***"SENSOR TROUBLE \
381	Loss of supervision - RF	Zt\037\t "SV\z ***"RF SUPERVISION \	Zr\037\t "SV\z ***"RF SUPERVISION \
382	Loss of supervision - RPM	Zt\037\t "SV\z ***"RPM SUPERVISION \	Zr\037\t "SV\z ***"RPM SUPERVISION \
383	Sensor tamper	Zt\037\t "SV\z ***"SENSOR TAMPER \	Zr\037\t "SV\z ***"SENSOR TAMPER \

384	RF low battery	Zt\037\t "SV\z ***"RF LOW BATTERY \	Zr\037\t "SV\z ***"RF LOW BATTERY \
385	Smoke detector Hi sensitivity	Zt\037\t "FI\z ***"SMOKE HI SENS \	Zr\037\t "FI\z ***"SMOKE HI SENS \
386	Smoke detector Low sensitivity	Zt\037\t "FI\z ***"SMOKE LO SENS \	Zr\037\t "FI\z ***"SMOKE LO SENS \
387	Intrusion detector Hi sensitivity	Zt\037\t "BU\z ***"DETECTOR HI SENS\	Zr\037\t "BU\z ***"DETECTOR HI SENS\
388	Intrusion detector Low sensitivity	Zt\037\t "BU\z ***"DETECTOR LO SENS\	Zr\037\t "BU\z ***"DETECTOR LO SENS\
389	Sensor self-test failure	Zt\037\t "SV\z ***"SELF TEST FAIL \	Zr\037\t "SV\z ***"SELF TEST FAIL \
391	Sensor Watch trouble	Zt\037\t "SV\z ***"WATCH FAIL \	Zr\037\t "SV\z ***"WATCH FAIL \
392	Drift Compensation Error	Zt\037\t "SV\z ***"DRIFT ERROR \	Zr\037\t "SV\z ***"DRIFT ERROR \
393	Maintenance Alert	Zt\037\t "SV\z ***"MAINTENANCE \	Zr\037\t "SV\z ***"MAINTENANCE \
Open/Close -400, 440, 450			

400	Open/Close	Zq\062\t "OP\u *****"NO AREA NAME \a ***" \	Zq\062\t "CL\u *****"NO AREA NAME \a ***" \
401	O/C by user	Zq\062\t "OP\u *****"BY USER \a ***" \	Zq\062\t "CL\u *****"BY USER \a ***" \
402	Group O/C	Zq\062\t "OP\u *****"GROUP \a ***" \	Zq\062\t "CL\u *****"GROUP \a ***" \
403	Automatic O/C	Zq\062\t "OP\u *****"AUTOMATIC \a ***" \	Zq\062\t "CL\u *****"AUTOMATIC \a ***" \
404	Late to O/C	Zq\062\t "LA\u *****"LATE \a ***" \	Zq\062\t "LA\u *****"LATE \a ***" \
405	Deferred O/C	Zq\062\t "OP\u *****"DEFERRED \a ***" \	Zq\062\t "CL\u *****"DEFERRED \a ***" \
406	Cancel	Zq\062\t "OP\u *****"CANCEL \a ***" \	Zq\062\t "CL\u *****"CANCEL \a ***" \
407	Remote arm/disarm	Zq\062\t "OP\u *****"REMOTE \a ***" \	Zq\062\t "CL\u *****"REMOTE \a ***" \
408	Quick arm	Zq\062\t "OP\u *****"QUICK ARM \a ***" \	Zq\062\t "CL\u *****"QUICK ARM \a ***" \
409	Keyswitch O/C	Zq\062\t "OP\u *****"KEYSWITCH \a ***" \	Zq\062\t "CL\u *****"KEYSWITCH \a ***" \

441	Armed STAY	Zq\062\t "OP\u *****"STAY \a ***" \	Zq\062\t "CL\u *****"STAY \a ***" \
442	Keyswitch Armed STAY	Zq\062\t "OP\u *****"KEYSWITCH STAY \a ***" \	Zq\062\t "CL\u *****"KEYSWITCH STAY \a ***" \
450	Exception O/C	Zq\062\t "OP\u *****"EXCEPTION \a ***" \	Zq\062\t "CL\u *****"EXCEPTION \a ***" \
451	Early O/C	Zq\062\t "OP\u *****"EARLY \a ***" \	Zq\062\t "CL\u *****"EARLY \a ***" \
452	Late O/C	Zq\062\t "OP\u *****"LATE \a ***" \	Zq\062\t "CL\u *****"LATE \a ***" \
453	Failed to Open	Zq\062\t "LA\u *****"FAILED TO OPEN \a ***" \	Zq\062\t "LA\u *****"FAILED TO OPEN \a ***" \
454	Failed to Close	Zq\062\t "LA\u *****"FAILED TO CLOSE \a ***" \	Zq\062\t "LA\u *****"FAILED TO CLOSE \a ***" \
455	Auto-arm Failed	Zq\062\t "OP\u *****"AUTO- ARM FAIL \a ***" \	Zq\062\t "CL\u *****"AUTO- ARM FAIL \a ***" \
456	Partial Arm	Zq\062\t "OP\u *****"PARTIAL ARM \a ***" \	Zq\062\t "CL\u *****"PARTIAL ARM \a ***" \
457	Exit Error (user)	Zs\013\t 80\	Zs\013\t 80\

458	User on Premises	Zq\062\t "OP\u *****"USER ON PREMISES\a ***" \	Zq\062\t "CL\u *****"USER ON PREMISES\a ***" \
459	Recent Close	Zs\013\t 78\	Zs\013\t 78\
461	Wrong Code Entry	Zq\062\t "OP\u *****"INVALID CODE \a ***" \	Zq\062\t "CL\u *****"INVALID CODE \a ***" \
462	Legal Code Entry	Zq\062\t "OP\u *****"LEGAL CODE \a ***" \	Zq\062\t "CL\u *****"LEGAL CODE \a ***" \
463	Re-arm Time Extended	Zq\062\t "OP\u *****"RE-ARM AFTER ARM\a ***" \	Zq\062\t "CL\u *****"RE-ARM AFTER ARM\a ***" \
464	Auto-arm Time Extended	Zq\062\t "OP\u *****"AUTOARM EXTENDED\a ***" \	Zq\062\t "CL\u *****"AUTOARM EXTENDED\a ***" \
465	Panic Alarm Reset	Zt\037\t "SV\z ***"PANIC RESET \	Zr\037\t "SV\z ***"PANIC RESET \
466	Service On/Off Premises	Zq\062\t "OP\u *****"SERVICEMAN \a ***" \	Zq\062\t "CL\u *****"SERVICEMAN \a ***" \
Remote Access -410			
411	Callback request made	Zs\013\t 90\	Zs\013\t 90\

412	Successful download/access	Zs\013\t 83\	Zs\013\t 83\
413	Unsuccessful access	Zs\013\t 54\	Zs\013\t 54\
414	System shutdown command received	Zt\037\t "SV\z ***"SYS SHUTDOWN \	Zr\037\t "SV\z ***"SYS SHUTDOWN \
415	Dialer shutdown command received	Zt\037\t "SV\z ***"DIAL SHUTDOWN \	Zr\037\t "SV\z ***"DIAL SHUTDOWN \
416	Successful Upload	Zs\013\t 83\	Zs\013\t 83\
Access control -420, 430			
421	Access denied	Zj\039\t "DN\u *****" \	Zj\039\t "DN\u *****" \
422	Access report by user	Zj\039\t "DA\u *****" \	Zj\039\t "DA\u *****" \
423	Forced Access	Za\037\t "BU\z ***"FORCED \	Zr\037\t "BU\z ***"FORCED \
424	Egress Denied	Zj\039\t "DN\u *****" \	Zj\039\t "DN\u *****" \
425	Egress Granted	Zj\039\t "DA\u *****" \	Zj\039\t "DA\u *****" \
426	Access Door propped open	Zt\037\t "BU\z ***"PROPPED \	Zr\037\t "BU\z ***"PROPPED \

427	Access point Door Status Monitor trouble	Zt\037\t "BU\z ***"STATUS MONITOR \	Zr\037\t "BU\z ***"STATUS MONITOR \
428	Access point Request To Exit trouble	Zt\037\t "BU\z ***"REQUEST TO EXIT \	Zr\037\t "BU\z ***"REQUEST TO EXIT \
429	Access program mode entry	Zs\013\t 86\	Zs\013\t 86\
430	Access program mode exit	Zs\013\t 86\	Zs\013\t 86\
431	Access threat level change	Zs\013\t 86\	Zs\013\t 86\
432	Access relay/trigger fail	Zt\037\t "BU\z ***"ACCESS RLY FAIL \	Zr\037\t "BU\z ***"ACCESS RLY FAIL \
433	Access RTE shunt	Zt\037\t "BU\z ***"ACCESS RTE SHUNT\	Zr\037\t "BU\z ***"ACCESS RTE SHUNT\
434	Access DSM shunt	Zt\037\t "BU\z ***"ACCESS DSM SHUNT\	Zr\037\t "BU\z ***"ACCESS DSM SHUNT\
System Disables -500 and 510			
501	Access reader disable	Zt\037\t "BU\z ***"READER DISABLE \	Zr\037\t "BU\z ***"READER DISABLE \
Sounder / Relay Disables -520			

520	Sounder/Relay Disable	Zt\037\t "SV\z ***"SOUNDER DISABLE \	Zr\037\t "SV\z ***"SOUNDER DISABLE \
521	Bell 1 disable	Zt\037\t "SV\z ***"BELL 1 DISABLE \	Zr\037\t "SV\z ***"BELL 1 DISABLE \
522	Bell 2 disable	Zt\037\t "SV\z ***"BELL 2 DISABLE \	Zr\037\t "SV\z ***"BELL 2 DISABLE \
523	Alarm relay disable	Zt\037\t "SV\z ***"RELAY DISABLE \	Zr\037\t "SV\z ***"RELAY DISABLE \
524	Trouble relay disable	Zt\037\t "SV\z ***"TROUBLE DISABLE \	Zr\037\t "SV\z ***"TROUBLE DISABLE \
525	Reversing relay disable	Zt\037\t "SV\z ***"RVRS RLY DISABLE\	Zr\037\t "SV\z ***"RVRS RLY DISABLE\
526	Notification Appliance Ckt. # 3 disable	Zt\037\t "SV\z ***"NOTIFICATION #3 \	Zr\037\t "SV\z ***"NOTIFICATION #3 \
527	Notification Appliance Ckt. # 4 disable	Zt\037\t "SV\z ***"NOTIFICATION #4 \	Zr\037\t "SV\z ***"NOTIFICATION #4 \
System Peripheral Disables -530 and 540			
531	Module Added	Zt\037\t "SV\z ***"MODULE ADD \	Zr\037\t "SV\z ***"MODULE ADD \

532	Module Removed	Zt\037\t "SV\z ***"MODULE RMV \	Zr\037\t "SV\z ***"MODULE RMV \
Communication Disables -550 and 560			
551	Dialer disabled	Zt\037\t "SV\z ***"DIALER DISABLE \	Zr\037\t "SV\z ***"DIALER DISABLE \
552	Radio transmitter disabled	Zt\037\t "SV\z ***"RADIO DISABLE \	Zr\037\t "SV\z ***"RADIO DISABLE \
553	Remote Upload/Download disabled	Zt\037\t "SV\z ***"REMOTE DISABLE \	Zr\037\t "SV\z ***"REMOTE DISABLE \
Bypasses -570			
570	Zone/Sensor bypass	Zx\037\t "BL\z ***"ZONE BYPASS \	Zr\037\t "BL\z ***"ZONE BYPASS \
571	Fire bypass	Zx\037\t "FI\z ***"FIRE BYPASS \	Zr\037\t "FI\z ***"FIRE BYPASS \
572	24 Hour zone bypass	Zx\037\t "BU\z ***"24HR ZONE BYPASS\	Zr\037\t "BU\z ***"24HR ZONE BYPASS\
573	Burg. Bypass	Zx\037\t "BU\z ***"BURG BYPASS \	Zr\037\t "BU\z ***"BURG BYPASS \
574	Group bypass	Zx\037\t "BU\z ***"GROUP BYPASS \	Zr\037\t "BU\z ***"GROUP BYPASS \

575	Swinger bypass	Zx\037\t "BU\z ***"SWINGER BYPASS \	Zr\037\t "BU\z ***"SWINGER BYPASS \
576	Access zone shunt	Zx\037\t "BU\z ***"ACCESS BYPASS \	Zr\037\t "BU\z ***"ACCESS BYPASS \
577	Access point bypass	Zx\037\t "BU\z ***"ACCESS BYPASS \	Zr\037\t "BU\z ***"ACCESS BYPASS \
Test/Misc. -600, 610			
601	Manual trigger test report	Zt\037\t "SV\z ***"MANUAL TEST \	Zr\037\t "SV\z ***"MANUAL TEST \
602	Periodic test report	Zs\012\t 7\	Zs\012\t 7\
603	Periodic RF transmission	Zt\037\t "SV\z ***"PERIODIC RF TEST\	Zr\037\t "SV\z ***"PERIODIC RF TEST\
604	Fire test	Zt\037\t "FI\z ***"FIRE TEST \	Zr\037\t "FI\z ***"FIRE TEST \
605	Status report to follow	Zt\037\t "BL\z ***"STATUS REPORT \	Zr\037\t "BL\z ***"STATUS REPORT \
606	Listen-in to follow	Zt\037\t "SV\z ***"LISTEN IN \	Zr\037\t "SV\z ***"LISTEN IN \
607	Walk test mode	Zs\013\t 66\	Zs\013\t 67\

608	Periodic test - System Trouble Present	Zs\013\t 88\	Zs\013\t 88\
609	Video Xmitter active	Zk\037\t "SV\z ***"VIDEO ACTIVE \	Zr\037\t "SV\z ***"VIDEO ACTIVE \
611	Point tested OK	Zk\037\t "SV\z ***"TEST OK \	Zr\037\t "SV\z ***"TEST OK \
612	Point not tested	Zt\037\t "SV\z ***"NOT TESTED \	Zr\037\t "SV\z ***"NOT TESTED \
613	Intrusion Zone Walk Tested	Zk\037\t "BU\z ***"WALK TEST \	Zr\037\t "BU\z ***"WALK TEST \
614	Fire Zone Walk Tested	Zk\037\t "FI\z ***"WALK TEST \	Zr\037\t "FI\z ***"WALK TEST \
615	Panic Zone Walk Tested	Zk\037\t "PN\z ***"WALK TEST \	Zr\037\t "PN\z ***"WALK TEST \
616	Service Request	Zs\013\t 91\	Zs\013\t 91\
Event Log -620			
621	Event Log reset	Zt\037\t "SV\z ***"EVENT LOG RESET \	Zr\037\t "SV\z ***"EVENT LOG RESET \
622	Event Log 50% full	Zt\037\t "SV\z ***"EVENT LOG 50% \	Zr\037\t "SV\z ***"EVENT LOG 50% \

623	Event Log 90% full	Zt\037\t "SV\z ***"EVENT LOG 90% \	Zr\037\t "SV\z ***"EVENT LOG 90% \
624	Event Log overflow	Zt\037\t "SV\z ***"EVNT LOG OVRFLOW\	Zr\037\t "SV\z ***"EVNT LOG OVRFLOW\
625	Time/Date reset	Zt\037\t "SV\z ***"TIME/DATE RESET \	Zr\037\t "SV\z ***"TIME/DATE RESET \
626	Time/Date inaccurate	Zt\037\t "SV\z ***"TIME/DATE ERROR \	Zr\037\t "SV\z ***"TIME/DATE ERROR \
627	Program mode entry	Zt\037\t "SV\z ***"PGM MODE ENTRY \	Zr\037\t "SV\z ***"PGM MODE ENTRY \
628	Program mode exit	Zt\037\t "SV\z ***"PGM MODE EXIT \	Zr\037\t "SV\z ***"PGM MODE EXIT \
629	32 Hour Event log marker	Zt\037\t "SV\z ***"32HR EVT MARKER \	Zr\037\t "SV\z ***"32HR EVT MARKER \
Scheduling -630			
630	Schedule change	Zk\037\t "SV\z ***"SCHEDULE CHG \	Zr\037\t "SV\z ***"SCHEDULE CHG \
631	Exception schedule change	Zk\037\t "SV\z ***"EXC SCHED CHG \	Zr\037\t "SV\z ***"EXC SCHED CHG \

632	Access schedule change	Zk\037\t "SV\z ***"ACC SCHED CHG \	Zr\037\t "SV\z ***"ACC SCHED CHG \
Personnel Monitoring -640			
641	Senior Watch Trouble	Zt\037\t "EM\z ***"SENIOR WATCH \	Zr\037\t "EM\z ***"SENIOR WATCH \
642	Latch-key Supervision	Zt\037\t "EM\z ***"LATCH KEY SUPV \	Zr\037\t "EM\z ***"LATCH KEY SUPV \
Misc. -650			
651	Reserved for Ademco Use	Zt\037\t "SV\z ***"RESERVED \	Zr\037\t "SV\z ***"RESERVED \
652	Reserved for Ademco Use	Zt\037\t "SV\z ***"RESERVED \	Zr\037\t "SV\z ***"RESERVED \
653	Reserved for Ademco Use	Zt\037\t "SV\z ***"RESERVED \	Zr\037\t "SV\z ***"RESERVED \
654	System Inactivity	Zt\037\t "SV\z ***"SYS INACTIVITY \	Zr\037\t "SV\z ***"SYS INACTIVITY \



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