



## Ademco Contact ID (SIA DC-05) — Field Guide

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This guide explains how the Ademco Contact ID (CID) reporting format works and lists the standardized event codes used by alarm panels to communicate with monitoring centers.

### What is Contact ID?

Contact ID is a DTMF-tone reporting standard (SIA DC-05) used by alarm panels to send concise, machine-readable event messages over a phone line or dial-capture communicator. Each message is a 16-digit block that includes the account, message type, qualifier, event code, partition (group), zone/user, and a checksum.

### Message Structure & Timing

CID message block format: ACCT MT Q EEE GG CCC S

- ACCT: 4-digit account (0–9, B–F)
- MT: Message Type = 18 (preferred) or 98 (accepted by some receivers)
- Q: Event Qualifier — 1 = New event / Opening, 3 = Restore / Closing, 6 = Status (still present)
- EEE: 3-digit Event Code (0–9, B–F)
- GG: Group/Partition (00–BF)
- CCC: Zone number (event) or User number (open/close). Use 000 when N/A.
- S: 1-digit checksum such that  $(\text{sum of digits} + S) \bmod 15 = 0$

Handshake: receiver sends 1400 Hz (100 ms), pause (100 ms), then 2300 Hz (100 ms). Panel transmits the CID block ~250 ms after the handshake (DTMF digits 50 ms on / 50 ms off). Receiver returns 1400 Hz kissoff for ~750–1000 ms when the message is accepted.

### How to Read a Signal (Example)

Example alarm: 1234 18 1131 01 015 8 → Account 1234 sent a NEW (Q=1) Perimeter Burglary (EEE=131) on Partition 1 (GG=01) for Zone 015; checksum=8.

Example restoral: 1234 18 3131 01 015 6 → RESTORE of the same condition.

### Contact ID Event Codes (Standardized)

The table below lists the core CID event codes from SIA DC-05 Appendix C. “Data” indicates whether CCC carries a Zone or User number for that event.

Code	Category	Description	Data (CCC)
100	Alarms — Medical	Medical	Zone
101	Alarms — Medical	Personal Emergency	Zone
102	Alarms — Medical	Fail to Report In	Zone
110	Alarms — Fire	Fire	Zone
111	Alarms — Fire	Smoke	Zone
112	Alarms — Fire	Combustion	Zone
113	Alarms — Fire	Waterflow	Zone
114	Alarms — Fire	Heat	Zone
115	Alarms — Fire	Pull Station	Zone
116	Alarms — Fire	Duct	Zone
117	Alarms — Fire	Flame	Zone
118	Alarms — Fire	Near Alarm	Zone
120	Alarms — Panic	Panic	Zone
121	Alarms — Panic	Duress	User
122	Alarms — Panic	Silent	Zone
123	Alarms — Panic	Audible	Zone
124	Alarms — Panic	Duress — Access Granted	Zone
125	Alarms — Panic	Duress — Egress Granted	Zone
130	Alarms — Burglary	Burglary	Zone
131	Alarms — Burglary	Perimeter	Zone
132	Alarms — Burglary	Interior	Zone
133	Alarms — Burglary	24 Hour (Safe)	Zone
134	Alarms — Burglary	Entry/Exit	Zone

135	Alarms — Burglary	Day/Night	Zone
136	Alarms — Burglary	Outdoor	Zone
137	Alarms — Burglary	Tamper	Zone
138	Alarms — Burglary	Near Alarm	Zone
139	Alarms — Burglary	Intrusion Verifier	Zone
140	Alarms — General	General Alarm	Zone
141	Alarms — General	Polling Loop Open	Zone
142	Alarms — General	Polling Loop Short	Zone
143	Alarms — General	Expansion Module Failure	Zone
144	Alarms — General	Sensor Tamper	Zone
145	Alarms — General	Expansion Module Tamper	Zone
146	Alarms — General	Silent Burglary	Zone
147	Alarms — General	Sensor Supervision Failure	Zone
150	24 Hr Non-Burglary	24 Hour Non-Burglary	Zone
151	24 Hr Non-Burglary	Gas Detected	Zone
152	24 Hr Non-Burglary	Refrigeration	Zone
153	24 Hr Non-Burglary	Loss of Heat	Zone
154	24 Hr Non-Burglary	Water Leakage	Zone
155	24 Hr Non-Burglary	Foil Break	Zone
156	24 Hr Non-Burglary	Day Trouble	Zone
157	24 Hr Non-Burglary	Low Bottled Gas Level	Zone
158	24 Hr Non-Burglary	High Temperature	Zone

159	24 Hr Non-Burglary	Low Temperature	Zone
161	24 Hr Non-Burglary	Loss of Air Flow	Zone
162	24 Hr Non-Burglary	Carbon Monoxide Detected	Zone
163	24 Hr Non-Burglary	Tank Level	Zone
200	Supervisory — Fire	Fire Supervisory	Zone
201	Supervisory — Fire	Low Water Pressure	Zone
202	Supervisory — Fire	Low CO2	Zone
203	Supervisory — Fire	Gate Valve Sensor	Zone
204	Supervisory — Fire	Low Water Level	Zone
205	Supervisory — Fire	Pump Activated	Zone
206	Supervisory — Fire	Pump Failure	Zone
300	Troubles — System	System Trouble	Zone
301	Troubles — System	AC Loss	Zone
302	Troubles — System	Low System Battery	Zone
303	Troubles — System	RAM Checksum Bad	Zone
304	Troubles — System	ROM Checksum Bad	Zone
305	Troubles — System	System Reset	Zone
306	Troubles — System	Panel Programming Changed	Zone
307	Troubles — System	Self-Test Failure	Zone
308	Troubles — System	System Shutdown	Zone
309	Troubles — System	Battery Test Failure	Zone
310	Troubles — System	Ground Fault	Zone
311	Troubles — System	Battery Missing/Dead	Zone

312	Troubles — System	Power Supply Overcurrent	Zone
313	Troubles — System	Engineer Reset	User
320	Troubles — Sounder/Relay	Sounder/Relay	Zone
321	Troubles — Sounder/Relay	Bell 1	Zone
322	Troubles — Sounder/Relay	Bell 2	Zone
323	Troubles — Sounder/Relay	Alarm Relay	Zone
324	Troubles — Sounder/Relay	Trouble Relay	Zone
325	Troubles — Sounder/Relay	Reversing Relay	Zone
326	Troubles — Sounder/Relay	Notification Appliance Circuit #3	Zone
327	Troubles — Sounder/Relay	Notification Appliance Circuit #4	Zone
330	Troubles — System Peripheral	System Peripheral Trouble	Zone
331	Troubles — System Peripheral	Polling Loop Open	Zone
332	Troubles — System Peripheral	Polling Loop Short	Zone
333	Troubles — System Peripheral	Expansion Module Failure	Zone
334	Troubles — System Peripheral	Repeater Failure	Zone
335	Troubles — System Peripheral	Local Printer Out of Paper	Zone

336	Troubles — System Peripheral	Local Printer Failure	Zone
337	Troubles — System Peripheral	Expansion Module DC Loss	Zone
338	Troubles — System Peripheral	Expansion Module Low Battery	Zone
339	Troubles — System Peripheral	Expansion Module Reset	Zone
341	Troubles — System Peripheral	Expansion Module Tamper	Zone
342	Troubles — System Peripheral	Expansion Module AC Loss	Zone
343	Troubles — System Peripheral	Expansion Module Self-Test Failure	Zone
344	Troubles — System Peripheral	RF Receiver Jam Detect	Zone
350	Troubles — Communication	Communication Trouble	Zone
351	Troubles — Communication	Telco 1 Fault	Zone
352	Troubles — Communication	Telco 2 Fault	Zone
353	Troubles — Communication	Long-Range Radio Transmitter Fault	Zone
354	Troubles — Communication	Failure to Communicate Event	Zone
355	Troubles — Communication	Loss of Radio Supervision	Zone
356	Troubles — Communication	Loss of Central Polling	Zone

357	Troubles — Communication	Long-Range Radio VSWR Problem	Zone
370	Troubles — Protection Loop	Protection Loop	Zone
371	Troubles — Protection Loop	Protection Loop Open	Zone
372	Troubles — Protection Loop	Protection Loop Short	Zone
373	Troubles — Protection Loop	Fire Trouble	Zone
374	Troubles — Protection Loop	Exit Error Alarm (zone)	Zone
375	Troubles — Protection Loop	Panic Zone Trouble	Zone
376	Troubles — Protection Loop	Hold-up Zone Trouble	Zone
377	Troubles — Protection Loop	Swinger Trouble	Zone
378	Troubles — Protection Loop	Cross-zone Trouble	Zone
380	Troubles — Sensor	Sensor Trouble	Zone
381	Troubles — Sensor	Loss of Supervision — RF	Zone
382	Troubles — Sensor	Loss of Supervision — RPM	Zone
383	Troubles — Sensor	Sensor Tamper	Zone
384	Troubles — Sensor	RF Low Battery	Zone
385	Troubles — Sensor	Smoke Detector High Sensitivity	Zone

386	Troubles — Sensor	Smoke Detector Low Sensitivity	Zone
387	Troubles — Sensor	Intrusion Detector High Sensitivity	Zone
388	Troubles — Sensor	Intrusion Detector Low Sensitivity	Zone
389	Troubles — Sensor	Sensor Self-Test Failure	Zone
391	Troubles — Sensor	Sensor Watch Trouble	Zone
392	Troubles — Sensor	Drift Compensation Error	Zone
393	Troubles — Sensor	Maintenance Alert	Zone
400	Open/Close	Open/Close	User
401	Open/Close	Open/Close by User	User
402	Open/Close	Group Open/Close	User
403	Open/Close	Automatic Open/Close	User
404	Open/Close	Late to Open/Close (use 453/454)	User
405	Open/Close	Deferred Open/Close (obsolete)	User
406	Open/Close	Cancel	User
407	Open/Close	Remote Arm/Disarm	User
408	Open/Close	Quick Arm	User
409	Open/Close	Keyswitch Open/Close	User
411	Remote Access	Callback Request Made	User

412	Remote Access	Successful Download/Access	User
413	Remote Access	Unsuccessful Access	User
414	Remote Access	System Shutdown Command Received	User
415	Remote Access	Dialer Shutdown Command Received	User
416	Remote Access	Successful Upload	Zone
421	Access Control	Access Denied	User
422	Access Control	Access Report by User	User
423	Access Control	Forced Access	Zone
424	Access Control	Egress Denied	User
425	Access Control	Egress Granted	User
426	Access Control	Door Propped Open	Zone
427	Access Control	Door Status Monitor Trouble	Zone
428	Access Control	Request To Exit Trouble	Zone
429	Access Control	Access Program Mode Entry	User
430	Access Control	Access Program Mode Exit	User
431	Access Control	Access Threat Level Change	User
432	Access Control	Access Relay/Trigger Fail	Zone
433	Access Control	Access RTE Shunt	Zone
434	Access Control	Access DSM Shunt	Zone

441	Open/Close	Armed STAY	User
442	Open/Close	Keyswitch Armed STAY	User
450	Open/Close — Exceptions	Exception Open/Close	User
451	Open/Close — Exceptions	Early Open/Close	User
452	Open/Close — Exceptions	Late Open/Close	User
453	Open/Close — Exceptions	Failed to Open	User
454	Open/Close — Exceptions	Failed to Close	User
455	Open/Close — Exceptions	Auto-arm Failed	User
456	Open/Close — Exceptions	Partial Arm	User
457	Open/Close — Exceptions	Exit Error (user)	User
458	Open/Close — Exceptions	User on Premises	User
459	Open/Close — Exceptions	Recent Close	User
461	Open/Close — Exceptions	Wrong Code Entry	Zone
462	Open/Close — Exceptions	Legal Code Entry	User
463	Open/Close — Exceptions	Re-arm after Alarm	User
464	Open/Close — Exceptions	Auto-arm Time Extended	User

465	Open/Close — Exceptions	Panic Alarm Reset	Zone
466	Open/Close — Exceptions	Service On/Off Premises	User
501	Disables — System/Access	Access Reader Disable	Zone
520	Disables — Sounder/Relay	Sounder/Relay Disable	Zone
521	Disables — Sounder/Relay	Bell 1 Disable	Zone
522	Disables — Sounder/Relay	Bell 2 Disable	Zone
523	Disables — Sounder/Relay	Alarm Relay Disable	Zone
524	Disables — Sounder/Relay	Trouble Relay Disable	Zone
525	Disables — Sounder/Relay	Reversing Relay Disable	Zone
526	Disables — Sounder/Relay	Notification Appliance Ckt. #3 Disable	Zone
527	Disables — Sounder/Relay	Notification Appliance Ckt. #4 Disable	Zone
531	Disables — System Peripheral	Module Added	Zone
532	Disables — System Peripheral	Module Removed	Zone
551	Disables — Communication	Dialer Disabled	Zone
552	Disables — Communication	Radio Transmitter Disabled	Zone

553	Disables — Communication	Remote Upload/Download Disabled	Zone
570	Bypasses	Zone/Sensor Bypass	Zone
571	Bypasses	Fire Bypass	Zone
572	Bypasses	24 Hour Zone Bypass	Zone
573	Bypasses	Burglary Bypass	Zone
574	Bypasses	Group Bypass	User
575	Bypasses	Swinger Bypass	Zone
576	Bypasses	Access Zone Shunt	Zone
577	Bypasses	Access Point Bypass	Zone
601	Test / Misc	Manual Trigger Test Report	Zone
602	Test / Misc	Periodic Test Report	Zone
603	Test / Misc	Periodic RF Transmission	Zone
604	Test / Misc	Fire Test	User
605	Test / Misc	Status Report to Follow	Zone
606	Test / Misc	Listen-in to Follow	Zone
607	Test / Misc	Walk Test Mode	User
608	Test / Misc	Periodic Test — System Trouble Present	Zone
609	Test / Misc	Video Transmitter Active	Zone
611	Test / Misc	Point Tested OK	Zone
612	Test / Misc	Point Not Tested	Zone

613	Test / Misc	Intrusion Zone Walk Tested	Zone
614	Test / Misc	Fire Zone Walk Tested	Zone
615	Test / Misc	Panic Zone Walk Tested	Zone
616	Test / Misc	Service Request	Zone
621	Event Log	Event Log Reset	Zone
622	Event Log	Event Log 50% Full	Zone
623	Event Log	Event Log 90% Full	Zone
624	Event Log	Event Log Overflow	Zone
625	Event Log	Time/Date Reset	User
626	Event Log	Time/Date Inaccurate	Zone
627	Event Log	Program Mode Entry	Zone
628	Event Log	Program Mode Exit	Zone
629	Event Log	32 Hour Event Log Marker	Zone
630	Scheduling	Schedule Change	Zone
631	Scheduling	Exception Schedule Change	Zone
632	Scheduling	Access Schedule Change	Zone
641	Personnel Monitoring	Senior Watch Trouble	Zone
642	Personnel Monitoring	Latch-key Supervision	User
651	Misc.	Reserved (Ademco Use)	Zone

652	Misc.	Reserved (Ademco Use)	User
653	Misc.	Reserved (Ademco Use)	User
654	Misc.	System Inactivity	Zone

### Notes

- Manufacturers may implement additional proprietary event codes beyond the SIA DC-05 list. Consult your panel's documentation for model-specific extensions.
- Q (Qualifier): 1 = New/Opening, 3 = Restore/Closing, 6 = Status (condition still present).
- Use CCC=000 when zone/user is not applicable (e.g., some system status messages).

### Sources

- SIA DC-05-1999.09: Digital Communication Standard — Ademco Contact ID Protocol (Appendix C Event Codes)
- Example timing and checksum per DC-05 sections 4.1–4.2 and Appendix A