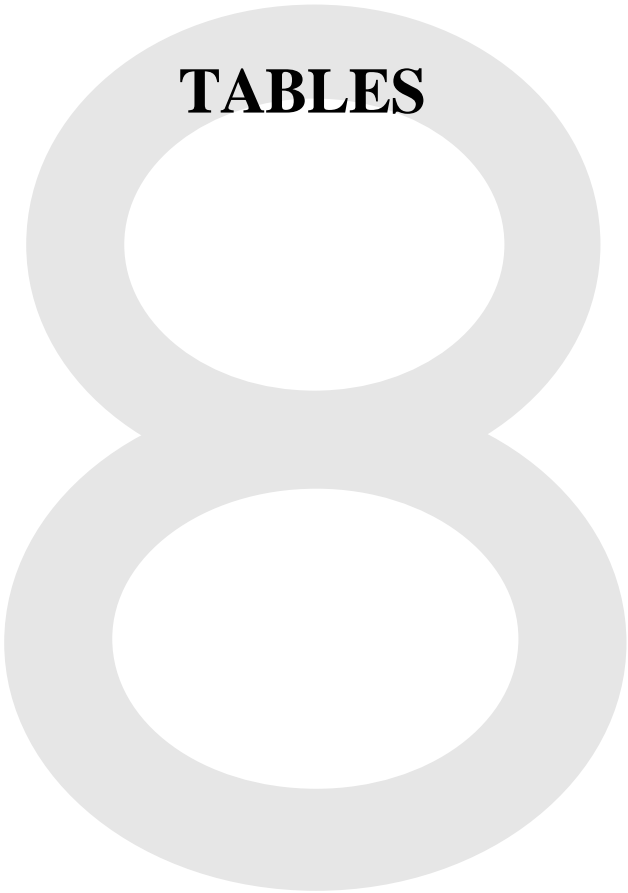
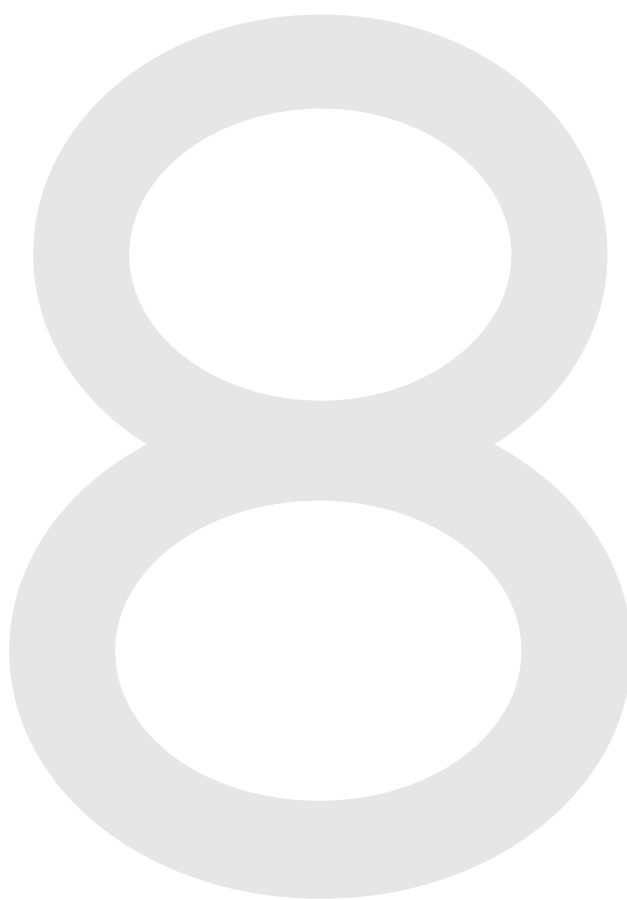


APPENDIX I

V8 PROGRAMMING GUIDE





Input Types

Notes:

- (Input types 6, 31, 34, 35 DO NOT have areas assigned to them.)

3. **Tamper Alarm**
Unless otherwise stated, a short or open circuit on the input will generate a tamper alarm if the fault monitoring record on Installer menu option 7 - System Options is set at YES. (If set at NO, a short or open circuit will generate an alarm but will not specifically indicate Tamper.)
Where a tamper alarm is generated, it will activate the secure or 24 hour event flags when the input is secure, and the access or 24 hour event flags when the input is in access.

- The event flags are recorded in both the input database and in the area database. An alarm generated by an input will only activate relevant event flags, and only if valid conditions exist.

Example:

When the input database option Access/Secure Override is set at NO the following event flags will be activated.

- from input database and if set at YES: Access Alarm
24 Hour Alarm
Console Warning
Selected

- from Area Database and if programmed with a number:
 - Access Alarm
 - Unsealed
 - Local Alarm

- the camera event flag provided it is both set at YES on the Input Database and programmed with an event flag number on the Area Database.

6. Holdup at night can report only where a Tecom dialler format or a direct line is used.

TABLE 1 : INPUT TYPES

0. ** No Input Type Programmed (Input not connected)

No alarms are generated on this input.

Example: The physical input does not exist.

1. ACCESS ALARM (Day Alarm)

Generates an alarm in access.

Example: Holdup button.

2. SECURE ALARM (Night Alarm)

Generates an alarm in secure.

Example: Internal door, PIR (movement detector).

3. ENTRY EXIT ALARM

Generates an alarm in secure when the entry exit timers for the areas assigned to the input have expired.

Example: Front door.

Note: Program entry/exit time - Installer menu option 2 - Area Database.

4. ENTRY EXIT HANDOVER ALARM

Generates an alarm in secure when the exit timer for the input has expired and the entry timer is not running.

Example: PIR just inside front door.

Note: Program entry/exit time - Installer menu option 2 - Area Database.

5. 24 HOUR ALARM

Generates an alarm in access or secure.

Example: Panel Tamper

6. AREA CONTROL INPUT - Momentary (No event programming required)

When the input toggles between sealed and unsealed, the functions of its alarm group are performed.

Example: Momentary keyswitch to turn selected areas on/off.

TABLE 1 : INPUT TYPES**7. CAMERA SUSPICION INPUT** (No event programming required)

When unsealed, this input activates cameras in the areas which are assigned to the input.

When the input re-seals, the cameras continue to operate for the suspicion time.

Example: Suspicion button.

Note: Program suspicion time - Installer menu option 6 - Program Times.

8. DELAYED ACCESS/HUP AT NIGHT

Generates an alarm in access but will not report it until the delayed alarm timer has expired or a second delayed alarm is activated.

Generates alarm in secure (reports night holdup).

Example: Holdup button on a counter where more than one holdup button is used.

Note: Program Delayed Alarm Time - Installer menu option 6 - Times.

9. RESET DELAYED INPUTS (No event programming required)

- Resets a delayed alarm type input if the input is sealed.
- Resets a delayed alarm type input if the delay timer is still running (and therefore a full alarm has not been activated).
- Stops cameras operating if the input is unsealed, but the delayed time will continue to run.

Example: Reset button for quick cancellation of alarm.

Note: Delayed input types are : 8, 11, 22, 40.

10. NOT USED**11. DELAYED ACCESS ALARM**

Generates alarm in access but will not report it until the delayed alarm timer has expired or a second delayed alarm is activated.

Example: Holdup button.

Note: Program Delayed Alarm Time - Installer menu option 6 - Times.

12. COURIER RESTART (No event programming)

Resets entry timers and restarts exit timers for any areas assigned to the input.

Example: Keyswitch inside a door.

TABLE 1 : INPUT TYPES

13. ENTRY EXIT NO SEAL CHECK

Generates an alarm in secure when entry/exit timers have expired.
Does not need to be sealed when turning the area to secure.

Example: Front door.

Note: Program Entry Exit Time - Installer menu option 2 - Area Database.

14. HANDOVER NO SEAL CHECK

Generates an alarm in secure when exit timer has expired and entry timer not running.
Does not need to be sealed when turning the area to secure.

Example: PIR inside front door.

Note: Program Entry Exit Timer - Installer menu option 2 - Area Database.

15. ACCESS LOCAL/SEC.ALM

- Generates a local alarm in access.

Automatically activates audible alert on arming stations for areas assigned to the input (regardless of event flag programming).

The only event flag (as specified on the input database) which is activated is the Selected Event Flag.

This local alarm can be acknowledged by using "0 Enter" or "code Enter" on the arming station to stop the audible alert and cancel the event.

If the input remains unsealed, it will re-alarm after the programmed local alarm reminder time.

- Generates an alarm in secure.

Example: Fire doors.

Note: Program the local alarm reminder time - Installer menu option 6 - Times.

16. 24 HOUR LOCAL MAINS FAIL (No event flag programming required)
Not used in standard commercial versions of *The Challenger*.

Generates local alarm.
Activates audible alert.

17. NOT USED

18. 24 HOUR LOCAL COMMS FAIL (No event flag programming required)

Generates local alarm.
Activates audible alert on arming stations for areas assigned to the input.
Activates COMMS LED on all arming stations.

19. COMMS FAIL LED (No event flag programming required)

Activates COMMS LED on all arming stations.

TABLE 1 : INPUT TYPES**20. INPUT TO EVENT FLAG 24HR**

When in unsealed, open or short, activates only the Selected Event Flag.

Example: Door bell.

Note: Program selected event flag - Installer menu option 1 - Input Database.

21. ACCESS LOC.CODE/SEC.ALM

- Generates a local alarm in access.

The only event flag (as specified on the input database) which is activated is the Selected Event Flag.

This local alarm can be only be acknowledged by entering a user "code Enter" on the arming station to stop the audible alert and cancel the event flag.

If the input remains unsealed, it will re-alarm after the programmed local alarm reminder time.

- Generates an alarm in secure.

Example: Fire door.

Note: Program the local alarm reminder time - Installer menu option 6 - Times.

22. ACC.DELAY NON/HUP AT NIGHT

- Generates alarm in access but will not report it until the delayed alarm timer has expired or a second delayed alarm is activated.

If the input seals during the delayed time, it will reset automatically.

- Generates alarm in secure (reports night holdup).

Example: Holdup button.

Note: Program delayed alarm time - Installer menu option 6 - Times.

23. CAMERA 1 COUNT INPUT (No event flag programming required)

Used to increment the film counter for camera 1 by connecting a normally open contact across the input. (See Notes)

24. CAMERA 2 COUNT INPUT (No event flag programming required)

Used to increment the film counter for camera 2 by connecting a normally open contact across the input. (See Notes)

25. CAMERA 3 COUNT INPUT (No event flag programming required)

Used to increment the film counter for camera 3 by connecting a normally open contact across the input. (See Notes)

26. CAMERA 4 COUNT INPUT (No event programming required)

Used to increment the film counter for camera 4 by connecting a normally open contact across the input. (See Notes)

CAMERA COUNT INPUTS**NOTES:**

1. Camera Count Inputs must only be connected to the Challenger Panel inputs. (Inputs 1 to 16)
2. The transition from open to short will cause the counter to be incremented by 1.

TABLE 1 : INPUT TYPES

27. INPUT TO ACTIVATE REPORT (No event programming required)

Operates if system using a direct line, Tecom Dialler format or contact ID format. (Not applicable for High Speed Extended).

When the input is unsealed or faulted, it sends advice of its state to the remote monitoring company. A second advice is sent when the input is restored.

28. NON-LATCH SECURE ALARM

Generates an alarm in secure.
Resets automatically when the input seals.

Example: PIR

29. 24 HOUR NON-LATCH ALARM

Generates an alarm in access or secure.
Resets automatically when the input seals.

30. ACC.NON-LATCH LOC/SEC.ALM

- Generates a local alarm in access.

The only event (as specified on the input database) which is activated is the Selected Event.

This local alarm can be only be acknowledged by entering a user "code Enter" on the arming station to stop the audible alert and cancel the event.

If the input remains unsealed, it will re-alarm after the programmed local alarm reminder time.

Resets automatically when the input seals.

- Generates an alarm in secure.

31. AREA CONTROL ON/OFF - Latching (No event programming required)

When the input switches from sealed to unsealed, or unsealed to sealed the functions of it's alarm group are performed as follows.

Sealed to Unsealed - Performs OUT functions. System Arms
Unsealed to Sealed - Performs IN functions. System Disarms

Example: Latching keyswitch to turn selected areas on/off.

32. INPUT TO EVENT FLAG IN SECURE

Activates selected event in secure.

33. 24HR ALARM & ISOLATE INPUT

Short - Generates alarm
Unsealed - Isolates
Open - Fault

Example: Designed for shopping centres where only one input is required for each shop and must be individually disabled via a key switch at the shop.

TABLE 1 : INPUT TYPES**34. AREA DISARM/USER CAT ARM**

When the input changes from sealed to unsealed or unsealed to sealed, the functions of it's alarm group are performed as follows:

Sealed to unsealed - Starts the warning time for the group timer of the group function assigned to the alarm group. When the warning time expires, the system arms.

Unsealed to sealed - Performs OFF functions. System disarms.

Note: Program Group Function to the alarm group assigned to the input - Installer menu option 5 - Alarm Groups.
Program Warning Time - Installer menu option 6 - Times.

35. AREA USER CAT ARM ONLY

When the input changes between sealed and unsealed, the functions of it's alarm group are performed as follows:

Sealed to unsealed - Starts the warning time for the group timer of the group function assigned to the alarm group. When the warning time expires, the area(s) arms.

Unsealed to sealed - No function.

Note: Program Group Function to the alarm group assigned to the input - Installer menu option 5 - Alarm Groups.
Program Warning Time - Installer menu option 6 - Times.

36. CAMERA 5 COUNT INPUT (No event programming required)

Used to increment the film counter for camera 5 by connecting a normally open contact across the input. (See Notes)

37. CAMERA 6 COUNT INPUT (No event programming required)

Used to increment the film counter for camera 6 by connecting a normally open contact across the input. (See Notes)

38. CAMERA 7 COUNT INPUT (No event programming required)

Used to increment the film counter for camera 7 by connecting a normally open contact across the input. (See Notes)

39. CAMERA 8 COUNT INPUT (No event programming required)

Used to increment the film counter for camera 8 by connecting a normally open contact across the input. (See Notes)

40. SUSP.DELAY,HUP/HUP AT NIGHT

Faulted - Shorted. Activates cameras in the areas which are assigned to the input. When the input re-seals, the cameras continue to operate for the suspicion time.

Unsealed- Generates an alarm in access but will not report it until the delayed alarm timer has expired or a second delayed alarm is activated.

Open - Fault

- Generates alarm in secure (reports night holdup).

Note: Program Delayed Alarm Time - Installer menu option 6 - Times.

CAMERA COUNT INPUTS**NOTES:**

1. Camera Count Inputs must only be connected to the Challenger Panel inputs. (Inputs 1 to 16)
2. The transition from open to short will cause the counter to be incremented by 1.

TABLE 1 : INPUT TYPES

41. ACCESS LOCAL/ENTRY EXIT

- Generates a local alarm in access.

Automatically activates audible alert on arming stations for areas assigned to the input (regardless of output event flag programming).

The only event (as specified on the input database) which is activated is the Selected Event.

This local alarm can be acknowledged by using "0 Enter" or "Code Enter" on the arming station to stop the audible alert and cancel the event.

If the input remains unsealed, it will re-alarm after the programmed local alarm reminder time.

- Generates an alarm in secure when the entry /exit timers for the areas assigned to the input have expired.

Note: Program Entry/Exit timer - Installer menu option 2 - Area Database.

42. ACCESS LOC.CODE/ENTRY EXIT

- Generates a local alarm in access.

The only event(as specified on the input database) which is activated is the Selected Event.

This local alarm can be only be acknowledged by entering a user "Code Enter" on the arming station to stop the audible alert and cancel the event.

If the input remains unsealed, it will re-alarm after the programmed local alarm reminder time.

- Generates an alarm in secure when the entry /exit timers for the areas assigned to the input have expired.

Note: Program Entry/Exit timer - Installer menu option 2 - Area Database.

43. INPUT TO EVENT FLAG IN ACCESS

When unsealed, open or short and in access the input will activate only the selected event.

Note: Program selected event - Installer menu option 1 - Input Database.

44. (ACC.LOC/SEC.ALM) DIS CLN.TRD

- Generates a Local alarm in access
- Generates an Alarm in secure but the input can be disabled when 2 user categories have been entered (not necessarily in the same area).

45. (EVENT FLAG/SEC.ALM) DIS CLN.TRD

- Activates selected event in access.
- Generates an alarm in secure but the input can be disabled when 2 user categories have been entered (not necessarily in the same area).

TABLE 1 : INPUT TYPES**46. ACCESS/HUP AT NIGHT**

- Generates an alarm in access.
- Generates an alarm in secure (reports night holdup).

47. SUSPICION.HUP/HUP AT NIGHT

- When unsealed and in access this input activates cameras in the areas which are assigned to the input. When the input re-seals, the cameras continue to operate for the suspicion time.
- Generates an alarm in secure (reports night holdup).

48. CAMERA 1 FILM OUT INPUT (No event programming required)

Generates an alarm when camera 1 is out of film.

49. CAMERA 2 FILM OUT INPUT (No event programming required)

Generates an alarm when camera 2 is out of film.

50. CAMERA 3 FILM OUT INPUT (No event programming required)

Generates an alarm when camera 3 is out of film.

51. CAMERA 4 FILM OUT INPUT (No event programming required)

Generates an alarm when camera 4 is out of film.

52. CAMERA 5 FILM OUT INPUT (No event programming required)

Generates an alarm when camera 5 is out of film.

53. CAMERA 6 FILM OUT INPUT (No event programming required)

Generates an alarm when camera 6 is out of film.

54. CAMERA 7 FILM OUT INPUT (No event programming required)

Generates an alarm when camera 7 is out of film.

55. CAMERA 8 FILM OUT INPUT (No event programming required)

Generates an alarm when camera 8 is out of film.

TABLE 1 : INPUT TYPES

56. (ACC.LOC CODE/SEC.ALM) DIS BY TZ 41

- Generates a local alarm in access.
The local alarm can only be acknowledged by entering a user "Code Enter" on the arming station to stop the audible alert and cancel the event.
- Generates an alarm in secure only if timezone 41 is not valid.
If timezone 41 is valid, the input is disabled.

57. INPUT TO REPORT AND SCREEN

Activates an event which is advised to the monitoring company and displayed on a screen only.

58. INPUT TO SCREEN TEXT

Activates an event which is displayed on a screen.

59. (24HR ALARM) DIS BY TZ 41

- Generates an alarm in access or secure only if timezone 41 is not valid.
If timezone 41 is valid, the input is disabled.

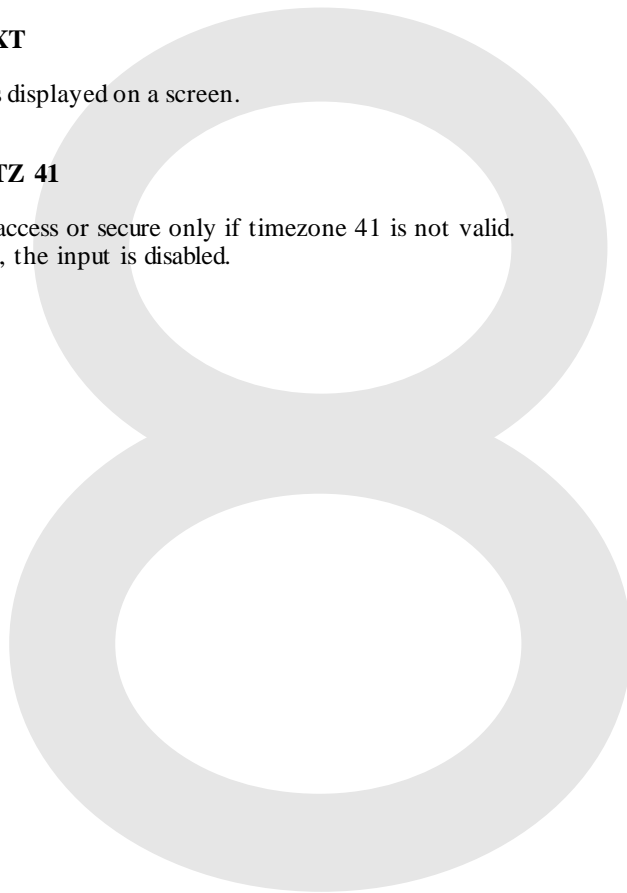


TABLE 2 : WORD LIBRARY

The word library is a list of words held in *The Challenger* memory. These words are used in *The Challenger* programming to describe inputs etc. which then form part of the variable text displayed on *The Challenger* displays.

The words are programmed using the reference number.

You can add to the word library for a system by programming additional words via Installers menu option 10 - Text Words.

001	Above	016	Back	051	Cold
002	Access	349	Baker	052	Combination
003	Accountant	376	Baker 1	428	Commerce
264	Accounts	377	Baker 2	053	Commercial
417	Accounts Manager	017	Bar	054	Communication
004	Across	018	Basement	055	Compactor
404	Admin	019	Bathroom	056	Computer
418	Administration	273	Battery	429	Computer Room
272	Air Conditioning	020	Bay	057	Conference
005	Alarm	021	Beam	430	Conference Room
006	All	022	Bedroom	302	Console
362	All Area User Code	023	Bell	058	Contact
520	All ATMs	024	Board	059	Control
419	Amenities	025	Boardroom	299	Corridor
295	Analog	026	Body	358	Count
420	Ancillary Staff	027	Boiler	060	Counter
514	And	028	Bottom	325	Cover
007	APC	326	Box	432	Covered Area
008	Area	539	BRD	061	Covering
332	Area One	267	BRG	522	Curtain
333	Area Two	029	Building	269	Custody
334	Area Three	425	Bulk Store	062	Customer
335	Area Four	030	Business		
336	Area Five	031	Button		
337	Area Six			274	Dairy
338	Area Seven			433	Dark Room
339	Area Eight			304	Data
340	Area Nine	032	Cabinet	063	Delayed
341	Area Ten	033	Cage	266	Desk
342	Area Eleven	034	Call	064	Detector
343	Area Twelve	293	Calibration	434	Developmental
344	Area Thirteen	035	Camera	065	DGP
345	Area Fourteen	036	Canteen	066	Dining
346	Area Fifteen	037	Car	296	Digital
347	Area Sixteen	038	Caroline	067	Dispatch
410	Armoured Car	039	Cash	435	District Facility
009	Arming	408	Cash Office	068	Dock
421	Art	040	CCTV	069	Door
265	Assistant	041	Ceiling	465	Doors
367	Assistant Manager	042	Cellar	543	Door Keypad
369	Assistant Manager Day	043	Central	503	Double
422	Assistant Principal	426	Central Bulk Store	275	DOTL
423	Assoc Administrator	431	Centre	070	Downstairs
010	At	044	The Challenger	071	Driveway
011	ATM	045	Charge	072	Drug
308	Atrium	046	Chief	436	Dry Craft
012	Audio	047	Cigarettes	074	DUALTEK
013	Auto	048	City	073	Duct
350	Auto Arm	427	Class Room	330	Dump
351	Auto Disarm	352	Cleaner	075	Duress
014	Automatic	411	Cleaner Selling		
381	Auto Reset	412	Cleaner Front		
015	Aux	413	Cleaner Admin		
424	AV Production	049	Clerk		
		050	Clip		

TABLE 2 : WORD LIBRARY

437	Early	106	Ground	118	Landing
076	East	303	Group	282	Lay By
438	Education	385	Group 11	454	Learning
518	Egress	386	Group 12	119	Left
077	Electric	387	Group 13	120	Lending
078	Electrical	388	Group 14	121	Level
439	Electronics	389	Group 15	122	Library
079	Emergency	390	Group 16	123	Lift
297	Engineering	391	Group 17	124	Light
080	End	392	Group 18	125	Liquor
081	Enquiry	393	Group 19	126	Loading
082	Entry	394	Group 20	127	Loans
440	Entry/Display Area	395	Group 21	128	Lobby
083	Equipment	396	Group 22	129	Lock
441	Equipment Store	397	Group 23	130	Long Range
298	Evaluation	398	Group 24	375	Loss Prevention
084	Exit	399	Group 25	131	Lounge
085	Exterior	400	Group 26	284	Low
086	External	401	Group 27	363	Low Level User Master
		402	Group 28	132	Lower
		403	Group 29	528	Low SSO
		450	Guard	133	Lunch
087	Factory	279	Gun		
442	Factory Manager	315	GYM		
276	Fail				
088	Failure			134	Machine
089	Fashion			455	Machinery Store
090	Fence	107	Hall	135	Magnetic
091	File	444	Hallway	136	Main
092	Film	108	Hand	456	Main Admin Office
093	Fire	327	Hatch	457	Main Entry
443	Fitness Testing	109	Heat	285	Mains
094	Floor	364	High Level User Master	318	Makash
323	FLR	527	High SSO	137	Manager
095	Foil	110	Holdup	138	Manchester
277	Food	361	Holdup Bar	458	Manual
278	Forced Door	382	Holdup Button	139	Master
096	Foyer	451	Home Economics	140	Mat
097	Freezer			459	Materials Store
098	Front			329	Meat
379	Front Counter			523	Mechanic
538	Front Door Keypad Bank 1	111	In	141	Medical
542	Front Door Keypad Bank 2	280	Inertia	316	Meeting
		281	Inner	142	Mens
		112	Input	460	Metal Workshop
		452	Instrument Store	143	Microwave
099	Games	113	Interior	144	Middle
283	Gaming	114	Internal	145	Money
100	Gas	524	Isolate	146	Motion
101	Garden			147	Motor
102	Garage			461	Multipurpose Room
103	Gate			462	Music
104	General	453	Janitor	463	Music Practice
445	General Circulation	115	Jewelry	464	MYCP & Interview
530	General Staff	365	Junction		
519	General Staff 1				
532	General Staff 2				
446	GLA				
447	GLA/Stage	355	Key		
105	Glass	353	Keyswitch Isolated		
328	Goods	116	Kick bar		
448	Graphics	348	Kiosk		
312	Grd/Flr	117	Kitchen		
449	Groundsman Store	384	Kamahira		

TABLE 2 : WORD LIBRARY

313	ND	478	Quiet Learning	209	Siren
148	Near			210	Shutter
268	New			211	Sliding
149	Next			289	Small
150	Next To	178	Rack	489	Small Equip Store
151	Night	179	Radio	490	Small Group
370	Night Manager	180	Raid	212	Smoke
354	Noise Makers Isolated	181	Ramp	213	Sound
152	North	317	RAS	214	South
153	North West	182	Reader	215	South East
154	North East	183	Rear	216	South West
155	Note	184	Receiving	217	Spare
156	Number	407	Receiving Dock	491	Special
		378	Receiving Door	414	Special Access 1
		185	Reception	415	Special Access 2
		186	Record	416	Special Access 3
157	Off	187	Reed Switch	492	Special Education Area
158	Office	479	Reference	493	Sports Store
159	Officer	188	Refrigeration	494	Spray
160	On	307	Register	218	Sprinkler
161	Open	189	Remote	219	SRT
466	Orchestral	190	Representative	544	SSO
360	Out	480	Reprographic Production	314	ST
286	Outer	294	Research	220	Staff
162	Over	481	Resource Centre	495	Staff & Amenities
		482	Resource Store	525	Staff Areas 1 to 4
		300	Retrofit	526	Staff Areas 5 to 8
		306	RF	380	Staff Door
163	Panel	191	Right	521	Staff Window Bypass
164	Panic	309	Riser	409	Staff Entry
165	Park	192	Road	496	Staff Lounge
467	Passage	193	Roller Door	497	Staff Room
166	Passive	194	Roof	534	Staff Second Tz
468	Patrol	195	Room	536	Staff Third Tz
531	Patrol 2	263	RSB	221	Stair
533	Patrol 3	196	Rumpus	222	Stairway
167	Penset			223	Station
469	Performing Art Centre			224	Stereo
168	Perimeter			290	Stop
321	Personnel	197	Safe	371	Stock Hand
169	Phone	305	Sales	372	Stock Hand 1
170	PIR	270	Savings	373	Stock Hand 2
322	360 PIR	483	School	374	Stock Hand 3
287	Pit	484	Science	406	Stock Room
288	Plant	198	Screen	225	Store
470	Playroom	199	Secretary	366	Store Manager
357	PNEUMATIC	324	Security	368	Store Manager Day
171	Point	207	Seismic	331	Store Room
172	Pool	200	Selling	226	Storage
356	POPUP	529	Senior Staff	227	Strobe
173	Port	535	Senior Staff Second Tz	359	Strongroom
174	Power	537	Senior Staff Third Tz	228	Strike
471	Pre-School	201	Sensor	498	Student Centre
472	Preparation	485	Servery	499	Student Waiting
473	Principal	202	Service	500	Studies
311	Print	405	Service Bay	501	Studio
474	Printery	486	Service Manager	319	Substation
475	Production	487	Services Room	291	Sump
310	Productivity	203	Shop	229	Supermarket
476	Professional Support	204	Short Tom	230	Supervisor
175	Protection	205	Show	231	Surveillance
477	Public Waiting	206	Side	232	Switch
176	Pull	208	Sign	292	Switchboard
177	Pump	488	Single	233	System

TABLE 2 : WORD LIBRARY

234	Tamper
235	Tape
504	Teacher
505	Teacher Work
502	Tea Room
301	Technical
506	Technician
320	Telecom
236	Teller
507	Temp GLA
508	Temp Typing
237	Temperature
509	Textile Store
044	The Challenger
238	Time
239	To
240	Toilet
241	Tool
242	Top
271	Trading
510	Trades
243	Transmitter
244	Trap
511	Typing GLA
245	Ultrasonic
512	Under
513	Unit
246	Upper
247	Upstairs
248	Valve
249	Vault
540	Vault RAS Bank 1
541	Vault RAS Bank 2
250	Vent
251	Ventilator
252	Video
253	Voltage
383	Volumetric
254	Wall
255	Warehouse
256	West
515	Wet Craft
257	Window
258	Wired Grid
259	Womens
516	Wood Workshop
517	Work Room
260	Workshop
261	Yard
262	Zone

TABLE 3 : TEST TYPES

Test Types are used to identify the automatic testing procedures for each input.

Input testing is done via the *Access Test* and the *Secure Test*. Refer to *The Challenger User Guide* for details of the test procedures.

Each input has a test type allocated to it when details of the input are programmed on Installers menu option 1 - Input Database.

Note: Options recorded here do not affect manual tests on individual inputs.

TYPE:

0 - No testing required:

If an input is programmed with test type zero, it is not included in either the access test or the secure test and will not appear on any of the test reports. The input will not be disabled during the access test.

Examples of inputs with test type 0: Duress button which is active during test mode, siren cover, panel tamper.

1 - Test during access test:

If an input is programmed with test type 1 it will be included in the access test. The input will be disabled during any access test on areas assigned to it.

Example of inputs with test type 1: Holdup button

2 - Test during secure test and when in access:

If an input is programmed with test type 2 it will be included in the secure test. If the input is activated during access mode, it is considered tested and will not be tested again when the secure test is done.

Examples of input with test type 2: PIRs, Doors.

3 - Test during secure test:

If an input is programmed with test type 3 it will be included in the secure test.

Example of an input with test type 3: Any device which needs to be automatically tested.

4 - Set Event Flag 13 during Access test:

An input programmed with test type 4 will be used to activate Event Flag 13 during the access test.

This Test type is intended for testing devices that are activated by Access Alarm Input types. e.g. Holdup buttons. (The device must already be programmed to be activated by Access Alarm Event Flag 13)

5 - Set Pre-Alarm Event Flag during Access test:

An input programmed with test type 5 will be used to activate the Pre-Alarm Event Flag during the access test in the area/s assigned to the input.

This Test type is used to test devices that are activated during the delayed holdup time. e.g. A discreetly placed LED that indicates to the user that the Holdup button is active.

The Pre-Alarm Event Flag number is programmed in Option 2 - Area Database.

TABLE 4 : ALARM GROUP DEFAULTS

Number	1	2	3	4	5	6	7to 10	11	12	13	14-29
Areas Assigned	-	All	All	1-8	9-16	All	-----	All	All	All	See next pg
Can this Grp be assigned to User's ..	N	N	N	N	N	N	N	N	N	N	N
Alarm System Control.....	N	Y	Y	Y	Y	Y	N	Y	Y	Y	Y
Prompt with List of Areas	N	Y	Y	Y	Y	Y	N	Y	Y	Y	N
User Activate Keyboard Duress	N	Y	Y	Y	Y	Y	N	Y	Y	Y	Y
Reset System Alarms.....	N	Y	Y	Y	Y	Y	N	N	N	N	N
Disable Auto-Deisolate	N	N	N	N	N	N	N	N	N	N	N
Arm and Reset Only	N	N	N	N	N	N	N	N	N	N	N
Disarm Only	N	N	N	N	N	N	N	N	N	N	N
Alarm Reset Only	N	N	N	N	N	N	N	N	N	N	N
Auto Isolate Unsealed Inputs	N	N	N	N	N	N	N	N	N	N	N
Forced Arm When Unsealed Inputs ..	N	N	N	N	N	N	N	N	N	N	N
Prevent Forced Disarming	N	N	N	N	N	N	N	N	N	N	N
Can User Access via Modem	N	Y	Y	Y	Y	Y	N	Y	N	N	N
User Category 1	N	Y	N	Y	Y	N	N	N	N	N	N
User Category 2	N	Y	N	Y	Y	N	N	N	N	N	N
User Category 3	N	Y	N	Y	Y	N	N	N	N	N	N
User Category 4	N	Y	N	Y	Y	N	N	N	N	N	N
User Category 5	N	Y	N	Y	Y	N	N	N	N	N	N
User Category 6	N	Y	N	Y	Y	N	N	N	N	N	N
User Category 7	N	Y	N	Y	Y	N	N	N	N	N	N
User Category 8 (Counter)	N	Y	N	Y	Y	N	N	N	N	N	N
Prevent Arming if Cat not Timing..	N	N	N	N	N	N	N	N	N	N	N
User Menu Options	See next page										
Timezone	-	-	-	-	-	-	-	-	-	-	-
Alternate Alarm Group	1	1	1	1	1	1	1	1	1	1	1

TABLE 4 : ALARM GROUP DEFAULTS

<i>Number</i>	<i>Name</i>	<i>User Menu Options</i>
1.	No Access	All NO
2.	Master RAS or Door	All YES
3.	Master Code Access	All YES
4.	8 Area Master RAS (1-8)	All YES
5.	8 Area Master RAS (9-16)	All YES
6.	Master User	All YES except 19
7-10	Spare Alarm Group	All NO
11.	High Level Master	All YES except 19
12.	Low Level Master	All NO except 1, 5, 9, 10, 11, 14, 15, 16,
13.	All Area User	All NO except 1, 5, 9, 10, 11,
14-29	Area One to Area Sixteen	All NO except 1, 5, 9, 10, 11,

Note: Alarm Groups 14 to 29 are for individual areas. The areas assigned to the alarm groups are as follows:

Alarm Group 14	Area 1
15	2
16	3
17	4
18	5
19	6
20	7
21	8
22	9
23	10
24	11
25	12
26	13
27	14
28	15
29	16

User Menu Options:

- | | |
|--------------------|------------------------------------|
| 1. Panel Status | 13. Start Access Test |
| 2. Inputs Unsealed | 14. Program User |
| 3. Inputs in Alarm | 15. Time & Date |
| 4. Inputs Isolated | 16. Isolate/Deisolate RAS/DGP |
| 5. History | 17. Enable/Disable Service Tech |
| 6. Test Report | 18. Reset Cameras |
| 7. Test Report | 19. Installer Options |
| 8. Film Counters | 20. Door & Floor Groups |
| 9. Input Text | 21. Holiday Dates |
| 10. Isolate | 22. Open Door |
| 11. De-isolate | 23. Unlock, Lock, Disable & Enable |
| 12. Test Input | 24. Print History |

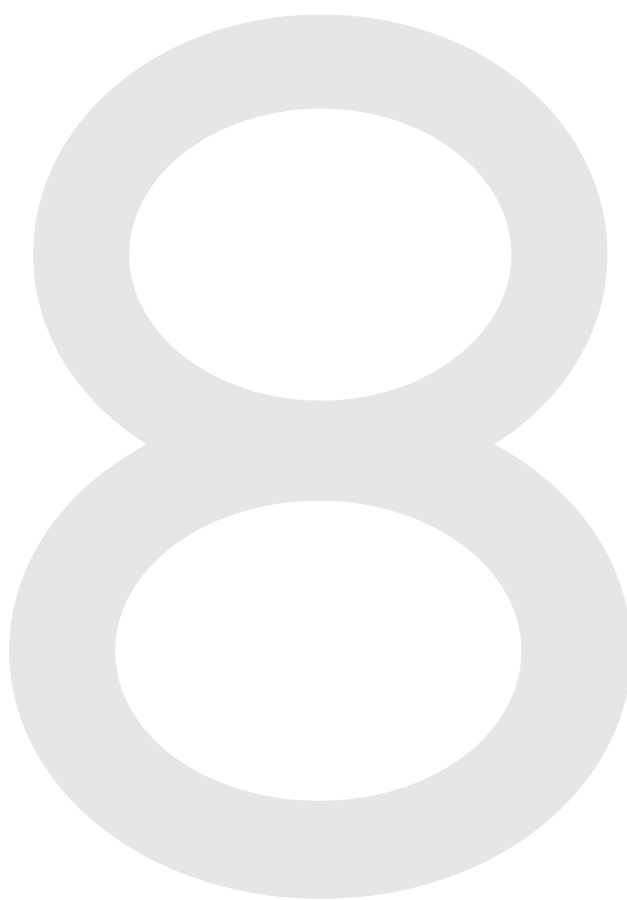


TABLE 5 : NETWORK EVENTS AND COMMANDS**EVENTS**Tecom V1 Dialler format:

The following codes are for messages sent from *Challenger Version 8* to a remote monitoring company when *The Challenger* is using the "Tecom V1" Dialler reporting format into a Tecom **V1** Dialler Master Receiver.

Note: For messages sent from *Challenger Version 8* to a remote monitoring company when *The Challenger* is using the "Tecom V1" Dialler reporting format into a Tecom **V3** Master (TS2000), see pages 23-25.

Description	Event Code	Restoral Code
Input alarm	(001-256)A	(001-256)R
Input faults	(001-256)F	(001-256)f
Secure Alarm (I/P holdup at night)	(001-256)T	(001-256)t
Input Isolate	(001-256)I	(001-256)D
Passcode entered	(001-255)P	
Duresspasscode	(001-255)H	(001-255)h
Area secure	(001-016)x	
Areaaccess	(001-016)X	
Out of Hours Access	(385-400)A	(385-400)R
Arming station 1-16 Off-line	(030-045)E	(030-045)e
Arming station 17-64 Off-line	(017-064)N	(017-064)n
Arming station 1-64 De-pollled	(065-128)N	(065-128)n
Arming station 1-64 Tamper	(257-320)Y	(257-320)y
Arming station 1-64 Cipher Fail	(321-384)Y	(321-384)y
Arming station 1-64 Keypad Tamper	(385-448)Y	(385-448)y
Arming station 1-64 Duress	(449-512)Y	(449-512)y
Arming station 1-64 Isolated	(257-320)I	(257-320)D
DGP 1-64 Off-line	(047-111)E	(047-111)e
DGP 1-64 De-pollled	(129-192)N	(129-192)n
DGP 1-64 Mains Fail	(001-064)W	(001-064)w
DGP 1-64 Low Battery	(065-128)W	(065-128)w
DGP 1-64 Fuse Fail	(129-192)W	(129-192)w
DGP 1-64 Battery Test Fail	(193-256)W	(193-256)w
DGP 1-64 Tamper	(257-320)W	(257-320)w
DGP 1-64 Cipher Fail	(321-384)W	(321-384)w
DGP 1-64 Siren Tamper	(385-448)W	(385-448)w
DGP 1-64 CPU Restart	(449-512)W	(449-512)w
DGP 1-64 Isolated	(321-384)I	(321-384)D
Panel CPU Restart		001e

Description	Event Code	Description	Event Code
Camera film low	011Q	Service in	086Q
Camera film out	015Q	Service out	087Q
Camera faulty	014Q	Periodic test	010Q
Camera film out restore	016Q	Remote Log-in	115Q
Deadman's Alarm	081Q	Remote Log-out	116Q
Camera and popup disabled	082Q	Enter Program Mode	117Q
Camera and popup enabled	083Q	Cancel Code	118Q
Courier entered	084Q	Service Requested	119Q
Accesstest started	021Q	Line Monitor fail	120Q
Accesstest over	022Q	Line Monitor restore	121Q
Access test incomplete	066Q	Time/Date Changed	122Q
Access test completed	035Q	Film Low restore	123Q
Secure test started	018Q	Delay Button Active	124Q
Secure test over	019Q	Local Alarm Acknowledged	221Q
Secure test completed	020Q	Remote Monitor Lost	225Q
Secure test incomplete	067Q	Remote Monitor Restored	226Q
Auto Reset	085Q	Remote Monitoring Network Down	227Q

TABLE 5 : NETWORK EVENTS AND COMMANDS

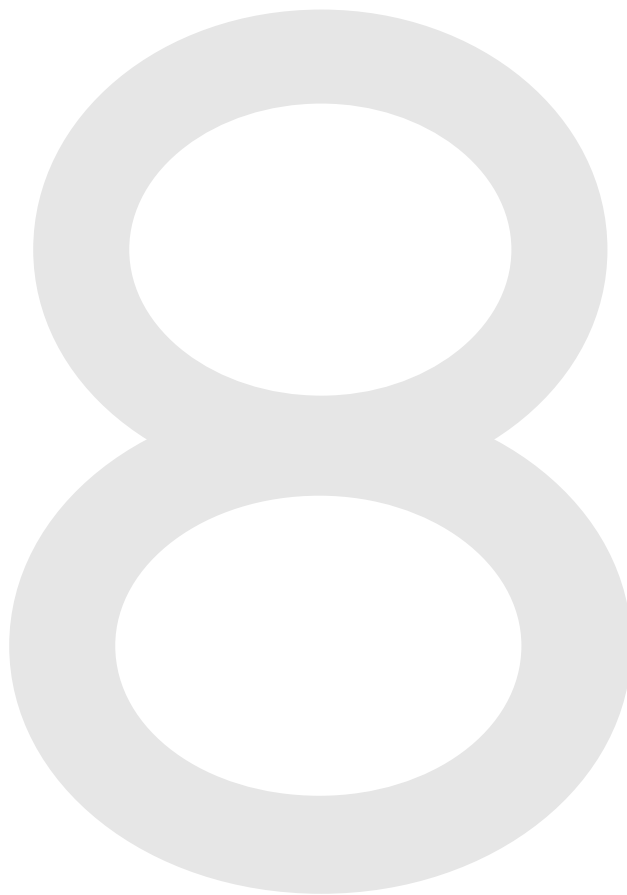


TABLE 5 : NETWORK EVENTS AND COMMANDS

CONTACT-ID EVENTS

- The following codes are:
1. For messages sent from *Challenger* to a remote monitoring company when *The Challenger* is using Contact ID reporting formats.
 2. Generated by the Tecom TS2000 Network Master when receiving Tecom V1, Tecom V3, or Contact ID Large dialler formats; or Tecom Direct Line - Large format.

Programmable panel input event codes. Selected for each input and programmed on the input database.

Type	Code	Classification	Description
1	100	Medical Alarm	Personal Emergency
2	101	Medical Alarm	Personal Emergency
3	102	Medical Alarm	Fail to check in
4	110	Fire Alarm	Fire alarm
5	111	Fire Alarm	Smoke detector
6	112	Fire Alarm	Combustion
7	113	Fire Alarm	Water flow
8	114	Fire Alarm	Heat sensor
9	115	Fire Alarm	Pull station
10	116	Fire Alarm	Duct sensor
11	117	Fire Alarm	Flame sensor
12	118	Fire Alarm	Near alarm
13	120	Panic Alarm	Panic
14	122	Panic Alarm	Silent panic
15	123	Panic Alarm	Audible panic
16	130	Burglar Alarm	Burglary
17	131	Burglar Alarm	Perimeter
18	132	Burglar Alarm	Interior
19	133	Burglar Alarm	24 Hour
20	134	Burglar Alarm	Entry/Exit
21	135	Burglar Alarm	Day/Night
22	136	Burglar Alarm	Outdoor
23	137	Burglar Alarm	Tamper
24	138	Burglar Alarm	Near alarm
25	140	General Alarm	General alarm (Default)
26	143	General Alarm	Exp. module fail
27	144	General Alarm	Sensor tamper
28	145	General Alarm	Exp. module fail
29	150	24 Hour Non-Burglary	24 Hr. Non-Burglary
30	151	24 Hour Non-Burglary	Gas detected
31	152	24 Hour Non-Burglary	Refrigeration
32	153	24 Hour Non-Burglary	Heating system
33	154	24 Hour Non-burglary	Water leakage
34	155	24 Hour Non-burglary	Foil break
35	156	24 Hour Non-burglary	Day zone
36	157	24 Hour Non-Burglary	Low gas level
37	158	24 Hour Non-Burglary	High temperature
38	159	24 Hour Non-Burglary	Low temperature
39	161	24 Hour Non-burglary	Air flow
40	200	Fire Supervisory	Fire supervisory
41	201	Fire Supervisory	Low water pressure
42	203	Fire Supervisory	Gate valve
43	204	Fire Supervisory	Low water level
44	205	Fire Supervisory	Pump activation
45	206	Fire Supervisory	Pump failure

Non-programmable event codes: (Pre-set events) (Reported in Decimal)

402	Area Access/Secure	User ID (1-999) - Group Byte = 01-16
140	General Alarm	Secure Alarm (Holdup at Night) (1-256)
383	System Trouble	Sensor Tamper (1-256)
570	Zone Bypass	Input Isolated (1-256)

All of the above Event Codes report Area Number in decimal using the "Group Byte".

TABLE 5 : NETWORK EVENTS AND COMMANDS**CONTACT-ID SYSTEM EVENTS (CONTACT ID - LARGE)**

- The following codes are:
1. For messages sent from *Challenger* to a remote monitoring company when *The Challenger* is using "Contact ID - Large" reporting format.
 2. Generated by the Tecom TS2000 Network Master when receiving Tecom V1, Tecom V3, or Contact ID - Large dialler formats; or Tecom Direct Line - Large format.

(Reported in Decimal)

Zone Code Classification Condition

001-064	143	General Alarm	RAS Off-line*
001-064	330	System Trouble	RAS De-Polled*
001-064	145	General Alarm	RAS Tamper*
001-064	145	General Alarm	RAS Keypad Tamper
001-016	305	System Trouble	RAS CPU Restart
001-016	303	System Trouble	RAS Cipher Fail
001-016	304	System Trouble	RAS DIP Switch Changed
001-016	570	Bypass	RAS Isolated*
001-064	120	Panic Alarm	Duress Entered at RAS*
065-079	143	General Alarm	DGP Off-line*
065-079	330	System Trouble	DGP De-Polled*
065-080	301	System Trouble	DGP Mains Fail*
065-080	302	System Trouble	DGP Low Battery*
065-080	309	System Trouble	DGP Battery Test Fail*
065-080	300	System Trouble	DGP Fuse Fail*
065-080	145	General Alarm	DGP Tamper*
065-080	320	System Trouble	DGP Siren Tamper*
065-080	305	System Trouble	DGP CPU Restart
065-080	303	System Trouble	DGP Cipher Fail
065-079	304	System Trouble	DGP DIP Switch Changed
065-080	570	Bypass	DGP Isolated*

Note:

Zone 001 - 016 RAS on Challenger LAN.
Zone 017 - 064 RAS/Reader on Door/Lift Controller.
Zone 065 - 079 DGP 1 to 15.
Zone 080 Challenger Panel.

000	602	Test	Periodic Test Call
000	411	Remote	Service Requested
000	351	Communication Trouble	Line Monitor Fail*
000	406	Cancel	Cancel Code
129	150	24 Hour Non-Burglary	Camera Film low*
130	150	24 Hour Non-Burglary	Camera Film out*
131	150	24 Hour Non-Burglary	Courier Entered
133	570	Bypass	Camera & Popup (Bandit) Screen Disabled*
134	150	24 Hour Non Burglary	Access Test Started*
135	150	24 Hour Non-Burglary	Access test Failed
136	150	24 Hour Non-Burglary	Access test Passed
137	150	24 Hour Non-Burglary	Secure test started*
138	150	24 Hour Non-Burglary	Secure test Failed
139	150	24 Hour Non-Burglary	Secure test Passed
140	150	24 Hour Non-Burglary	Delay Button Active
141	150	24 Hour Non-Burglary	Automatic reset
142	150	24 Hour Non-Burglary	Time Changed
143	102	Medical Alarm	Dead Man's Alarm (Guard Failed to Check In)
145	150	24 Hour Non-Burglary	Service In*
146	150	24 Hour Non-Burglary	Enter Program Mode
147	416	Remote	Remote Log-in*
160-175	608	Alarm	Out-Of-Hours Access Alarm*

* These events have restorals

TABLE 5 : NETWORK EVENTS AND COMMANDS

CONTACT-ID SYSTEM EVENTS (CONTACT ID - SMALL)

- The following codes are:
1. For messages sent from *Challenger* to a remote monitoring company when *The Challenger* is using "Contact ID - Small" reporting format.
 2. Generated by the Tecom TS2000 Network Master when receiving Contact ID - Small dialler format or Tecom Direct Line - Small Format.

These System Events are sent if the Challenger IS PROGRAMMED with a separate "System Account Number" to report the system events on.

Zone	Code	Classification	Condition
001	143	General Alarm	RAS Off-line*
002	143	General Alarm	DGP Off-line*
003	305	System Trouble	CPU Restart
004	301	System Trouble	Mains Fail*
005	302	System Trouble	Low Power*
006	145	General Alarm	General Tamper*
007	320	System Trouble	General Siren Tamper*
008	120	Panic	Duress Alarm
009	102	Medical Alarm	Guard Fail to Check In
010	416	Remote	Remote Login
011	150	24 Hour Non-Burglary	Camera Film Out*
012	608	Test	Out of Hours Access
013	411	Remote	Service Requested
014	351	System Trouble	Line Monitor Fail
015	150	24 Hour Non-Burglary	Program Mode Entered

These System Events are sent if the Challenger IS NOT PROGRAMMED with a separate "System Account Number" to report the system events on.

Zone	Code	Classification	Condition
240	143	General Alarm	RAS Off-line*
241	143	General Alarm	DGP Off-line*
242	305	System Trouble	CPU Restart
243	301	System Trouble	Mains Fail*
244	302	System Trouble	Low Power*
245	145	General Alarm	Tamper*
246	320	System Trouble	Siren Tamper*
247	120	Panic	Duress Alarm
248	102	Medical Alarm	Guard Fail to Check In
249	416	Remote	Remote Login
250	150	24 Hour Non-Burglary	Camera Film Out*
251	608	Test	Out of Hours Access
252	411	Remote	Service Requested
253	351	System Trouble	Line Monitor Fail
254	150	24 Hour Non-Burglary	Program Mode Entered

* *These events have restorals*

TABLE 5 : NETWORK EVENTS AND COMMANDS

HIGH SPEED EXTENDED

The following are codes for messages sent from *Challenger* to a remote monitoring company when *The Challenger* is reporting using High Speed Extended reporting formats.

DURESS REPORT (9TH CHANNEL = 1) On 1st Account Number

Ademco Event Reported
Channel
Number

- 1 Duress
- 2 Low Battery
- 3 System Tamper (DGP Tamper & Siren Tamper)
- 4 CPU Restart (Panel reset)
- 5 DGP or RAS Off-Line
- 6 Mains Fail
- 7 Film Out
- 8 Remote Login

COMMON OPENING REPORT (9TH CHANNEL = 2) On 1st Account Number

Ademco User Number
Channel
Number

- 0 10,16,26,32,42,48,58,64,74,80,90,96
- 1 1,17,33,49,65,81,97
- 2 2,18,34,50,66,81,98
- 3 3,19,35,51,67,83,99
- 4 4,20,36,52,68,84,100
- 5 5,21,37,53,69,85
- 6 6,22,38,54,70,86
- 7 7,23,39,55,71,87
- 8 8,24,40,56,72,88
- 9 9,25,41,57,73,89
- B 11,27,43,59,75,91
- C 12,28,44,60,76,92
- D 13,29,45,61,77,93
- E 14,30,46,62,78,94
- F 15,31,47,63,79,95

ZONE BYPASS REPORT (9TH CHANNEL = 3) On 1st Account Number

Ademco Area Reported
Channel
Number

- 1 Input Isolated in Area 1
- 2 Input Isolated in Area 2
- 3 Input Isolated in Area 3
- 4 Input Isolated in Area 4
- 5 Input Isolated in Area 5
- 6 Input Isolated in Area 6
- 7 Input Isolated in Area 7
- 8 Input Isolated in Area 8

TABLE 5 : NETWORK EVENTS AND COMMANDS

ZONE BYPASS REPORT (9TH CHANNEL = 3) On 2nd Account Number

*AdemcoArea Reported
Channel
Number*

1Input Isolated in Area 9
2Input Isolated in Area 10
3Input Isolated in Area 11
4Input Isolated in Area 12
5Input Isolated in Area 13
6Input Isolated in Area 14
7Input Isolated in Area 15
8Input Isolated in Area 16

COMMON CLOSING REPORT (9TH CHANNEL = 4) On 1st Account Number

*AdemcoUser Number
Channel
Number*

010,16,26,32,42,48,58,64,74,80,90,96
11,17,33,49,65,81,97
22,18,34,50,66,81,98
33,19,35,51,67,83,99
44,20,36,52,68,84,100
55,21,37,53,69,85
66,22,38,54,70,86
77,23,39,55,71,87
88,24,40,56,72,88
99,25,41,57,73,89
B11,27,43,59,75,91
C12,28,44,60,76,92
D13,29,45,61,77,93
E14,30,46,62,78,94
F15,31,47,63,79,95

ZONE or SYSTEM TROUBLE REPORT (9TH CHANNEL = 5 or 6) Not Used

TABLE 5 : NETWORK EVENTS AND COMMANDS

ZONE ALARM REPORT (9TH CHANNEL = 7) On 1st Account Number

*AdemcoArea Reported
Channel
Number*

1 Alarm in Area 1
2 Alarm in Area 2
3 Alarm in Area 3
4 Alarm in Area 4
5 Alarm in Area 5
6 Alarm in Area 6
7 Alarm in Area 7
8 Alarm in Area 8

ZONE ALARM REPORT (9TH CHANNEL = 7) On 2nd Account Number

*AdemcoArea Reported
Channel
Number*

1 Alarm in Area 9
2 Alarm in Area 10
3 Alarm in Area 11
4 Alarm in Area 12
5 Alarm in Area 13
6 Alarm in Area 14
7 Alarm in Area 15
8 Alarm in Area 16

TABLE 5 : NETWORK EVENTS AND COMMANDS**STU EVENTS****SERIAL DATA****EventMessage Type***Hex*

31	Any Areas Accessed	User	(First Area Accessed)
32-41	Access Area (1-16)	User	
51	All Areas Secure	User	
52-61	Secure Area (1-16)	User	
06	Input Alarm	Alarm	Input No. (1-239)
08	Input Alarm	Restore	Input No. (1-239)
0E	Input Tamper	Alarm	Input No. (1-239)
10	Input Tamper	Restore	Input No. (1-239)
15	Input Isolated		Input No. (1-239)
18	Input De-Isolated		Input No. (1-239)
06	System Message	Alarm	(240-255) <i>See System</i>
08	System Message	Restore	(240-255) <i>Messages</i>

SYSTEM MESSAGES***Input Point****Hex*

F0	(240)	RAS Off-line
F1	(241)	DGP Off-line
F2	(242)	CPU Restart
F3	(243)	Mains Fail
F4	(244)	Low Battery
F5	(245)	DGP Tamper
F6	(246)	Siren Tamper
F7	(247)	Duress Alarm
F8	(248)	Guard failed to check-in**
F9	(249)	Remote Login**
FA	(250)	Film out
FB	(251)	Out-of-Hour Opening
FC	(252)	Service Requested
FD	(253)	Line Monitor Fail
FE	(254)	Program Mode Entered
FF	(255)	Periodic Test

***These events have NO restorals*

TABLE 5 : NETWORK EVENTS AND COMMANDS

STU EVENTS

CHANNEL DATA

<i>Channel.....</i>	<i>Event Reported</i>
<i>Number</i>	
1	Duress
2	Alarm or Tamper (Inputs)
3	DGP or RAS Off-Line
4	System Tamper (DGP Tamper & Siren Tamper)
5	Mains Fail
6	Low Battery
7	Isolated Inputs
8	Open Close
9	CPU Restart (Panel reset)
10	Film Out

PANEL LINK SERIAL DATA

<i>Event</i>	<i>Message Type</i>
<i>Hex</i>	<i>User #99</i>
31	Any Areas Accessed User #99
32-50	Access Area (1-31) User #99
51	All Areas Secure (includes areas 1-255 if reporting enabled for area)
52-70	Secure Area (1-31) User #99
06	Area Alarm Area No. (1-255)
08	Area Restore Restore Area No. (1-255)

PANEL LINK CHANNEL DATA

<i>Channel</i>	<i>Event Reported across all panels in a Panel Link system</i>
<i>Number</i>	
1	Duress
2	Alarm or Tamper (Inputs)
3	DGP or RAS Off-Line
4	System Tamper (DGP Tamper & Siren Tamper)
5	Mains Fail
6	Low Battery
7	Isolated Inputs
8	All Close
9	Panel Link Fail
10	Film Out (reporting Panel only)
11	Login (reports when management software is connected to a Panel Link system via dialer)
.....	

TABLE 6 : PRE-SET EVENT FLAGS

Some of the event flags used in the system will activate under pre-set criteria if certain settings exist, while event flag 15 will activate regardless of settings.

*Output
Number*

1	Siren	Default Siren Event Flag. (Assigned in Area Database) If set at YES on the input database, will activate when any siren activates in any area.
2	Secure Alarm	If set at YES on the input database, will activate when an alarm is generated by the input and all the areas assigned to the input are armed. Used for activation of System Strobe.
3	Secure Alarm	As per 2
4	Secure Alarm	As per 2
5	Secure Alarm	As per 2
6	Access Alarm	If set at YES on the input database, will activate when an alarm is generated by the input and one or more of the areas assigned to the input is disarmed.
7	Access Alarm	As per 6
8	24 Hour Alarm	If set at YES on the input database, will be activated at any time an alarm is generated by the input.
9	Secure Alarm	As per 2
10	Secure Alarm	As per 2
11	Secure Alarm	As per 2
12	Secure Alarm	As per 2
13	Access Alarm	As per 6
16	Tester	Activates during the secure test. A tester event is programmed to activate a device which will allow testing of other devices. The tester event flag will activate for half the "Tester Event Time" programmed in Installer Menu Option 6 - Timers. The remaining period of the secure test time is settling time to allow the tested device to reseal. i.e. Make sure that the Secure Test time is longer than the Tester Event time.

Note: It is recommended that these event flag numbers are not used elsewhere in the system.

TABLE 7 : ARMING STATION TYPE PROGRAMMING**Arming Station Type Programming Requirements**

	TS0801	TS0802	TS0003	TS0004	TS0006	TS0007	TS0008	TS0009	TS0210	TS0063/65
LCD Arming Station	Y	Y	N	Y	N	N	N	N	Y	N
Toggle Keyboard Control	N	N	O*	O*	O*	O	O	N	N	O
Enter Key Opens Door Only	O	O	O	O	O	O	N	N	N	N
Door Event Flag on Alarm Codes	O	O	O	O	O	O	N	N	O	N
Display Shunt On RAS	O	O	N	O	N	N	N	N	O	N
Arm Using One Key	O#	O#	N	N	N	N	N	N	Y	N
Card Auto Disarms	N	O	N	N	N	O	O	O	N	O
Card Always Disarms/Arms	N	O	N	N	N	O	O	O	N	O
Reset Without Code	O	O	O	O	O	O	N	N	O	N
Restricted User Category to Disarm	O	O	O	O	O	O	O	O	O	O

Y - Must be set to YES

N - Must be set to NO

O - Optional

* - The "Toggle Keyboard Control" option is NOT recommended.

- CAUTION! If a TS0801 Arming Station is used as the Master; and "Arm Using One Key" is set to YES; the system must be programmed so that Areas 9 to 16 can never be armed.

Programming Card Readers (TS0007, TS0008, TS0802, TS0063/65) for Alarm Control.**PROGRAMMING OPTIONS**

FUNCTION	Toggle Keyboard Control	Card Auto Disarms	Card Always Disarms/Arms	NOTES
Card <OFF> - Disarms Card <ON> - Arms	NO	NO	NO	TS0007, TS0802, and TS0063/65+TS0064 ONLY
Card - Disarms Card <ON> - Arms	NO	YES	NO	No Arming on TS0008
Card - Disarms Card - Arms	YES	NO	YES	
Card <ENTER> - Disarms Card <ENTER> - Arms	YES	NO	NO	TS0007, TS0802 ONLY