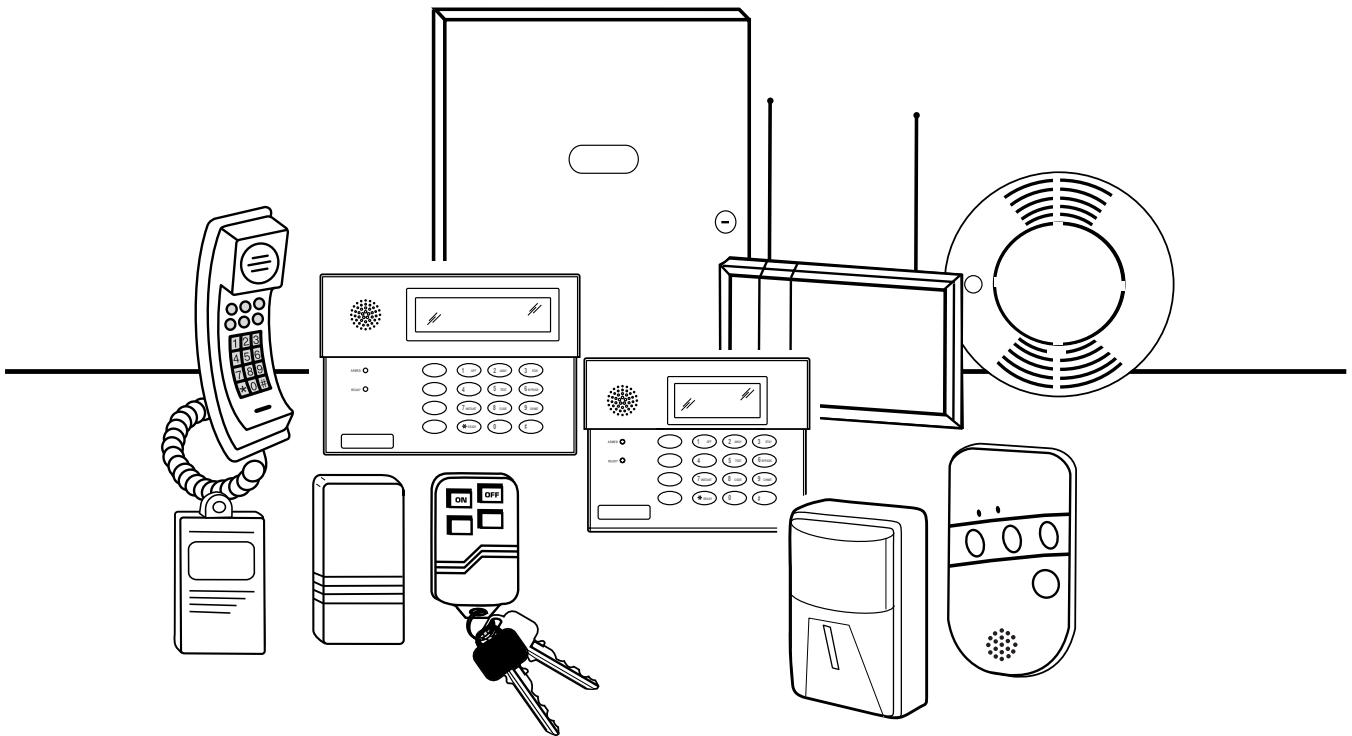# Safewatch Pro® 3000
Security Manager 3000

Programming Guide

ADT®

TO ENTER PROGRAMMING MODE:

Local programming requires the use of a Custom English touchpad connected to the touchpad terminals on the control.

1. POWER UP, then depress **[∗] and [#]** both at once, within 50 seconds of powering up.

   OR

2. Initially, key: **Installer Code** (**6 + 3 + 2 + 1**) plus **8 + 0 + 0.**

   OR

3. If different **Installer Code** is programmed, key: **New Installer Code + 8 + 0 + 0.**
   (if ∗98 was used to exit previously, method 1 above must be used to enter the program mode again)

Data Field Programming Procedures

Task	Procedure
Go to a Data Field	Press [∗] + [Field Number], followed by the required entry.
Entering Data	When the desired field number appears, simply make the required entry. When the last entry for a field is entered, the touchpad beeps three times and automatically displays the next data field in sequence. If the number of digits that you need to enter in a data field is less than the maximum digits available (for example, the phone number fields ∗41, ∗42), enter the desired data, then press [∗]. The entry is terminated and the next data field number appears.
Review a Data Field	Press [#] + [Field Number]. Data will be displayed for that field number. No changes will be accepted in this mode.
Deleting an Entry	Press [∗] + [Field Number] + [∗]. (Applies only to fields ∗40–∗43, ∗45, ∗94, and pager programming fields)

Interactive Mode Programming (∗56, ∗57, ∗58, ∗80, ∗81, ∗82)

Press **[∗] + [Interactive Mode No.]** (for example, ∗56). The Custom English display touchpad will display the first of a series of prompts requesting entries.

Interactive Mode	Used to Program
∗56 Zone Programming	Zone characteristics, report codes, alpha descriptors, and serial numbers for 5800 RF transmitters.
∗57 Function Key Programming	Unlabeled touchpad keys (known as ABCD keys) for special functions
∗58 Zone Programming (Expert mode)	Same options as ∗56 mode, but with fewer prompts. Intended for those familiar with this type of programming, otherwise ∗56 mode is recommended.
∗79 Output Device Mapping	Assign module addresses and map individual relays/powerline carrier devices
∗80 Output Programming	4229 or 4204 Relay modules, Powerline Carrier devices, or on-board triggers
∗81 Zone List Programming	Zone Lists for relay/powerline carrier activation, chime zones, pager zones, etc.
∗82 Alpha Programming	Zone alpha descriptors

INITIALIZE DOWNLOAD and RESET DEFAULTS

∗96 Initializes download ID and subscriber account number.

∗97 Sets all data fields to original factory default values.

TO EXIT PROGRAMMING MODE:

∗98 Exits programming mode and *prevents* re-entry by: **Installer Code** + 8 + 0 + 0. If **∗98** is used to exit programming mode, system must be powered down, and method 1 above used to enter the programming mode.

∗99 Exits programming mode and *allows* re-entry by: **Installer Code** + 8 + 0 + 0 or method 1 above.

Special Messages

OC = OPEN CIRCUIT (no communication between Touchpad and Control).

EE or **ENTRY ERROR** = ERROR (invalid field number entered; re-enter valid field number).

After powering up, **AC, dl** (disabled) or **Busy Standby** and **NOT READY** will be displayed after approximately 4 seconds. This will revert to a "**Ready**" message in approximately 1 minute, which allows PIRS, etc. to stabilize. You can bypass this delay by pressing **[#] + [0].**

If **E4** or **E8** appears, more zones than the expansion units can handle have been programmed. Correct the programming and then completely de-power and re-power the control to clear this indication and remove the disable indication.

PROGRAMMING FORM

Entry of a number other than one specified will give unpredictable results. Values shown in brackets are factory defaults.

Field	Function	Data Entries	Programmable Values
SYSTEM SETUP (∗20–∗29)			
∗20	INSTALLER CODE	☐☐☐☐ [6321]	4 digits, 0–9
∗21	QUICK ARM ENABLE	☐ ☐ [1,1] Part. 1 Part. 2	0 = no; 1 = yes
∗22	RF JAM OPTION	☐ [0]	0 = no RF Jam detection; 1 = send RF Jam report UL: must be 1 if wireless devices are used
∗23	FORCED BYPASS	☐ ☐ [1,1] Part. 1 Part. 2	0 = none UL: must be "0" 1 = bypass open zones
∗24	RF HOUSE ID CODE	☐☐ ☐☐ ☐☐ Part. 1 Part. 2 Common	00 = disable all wireless touchpad usage 01–31 = using 5827, 5827BD or 5804BD touchpad [00,00,00]
∗26	CHIME BY ZONE	☐ [0]	0 = no; 1 = yes (select zones to chime on zone list 3, using *81 Menu mode)
∗27	X–10 HOUSE CODE	☐ [0]	0 = A; 1 = B, 2 = C, 3 = D, 4 = E, 5 = F, 6 = G, 7 = H, 8 = I, 9 = J, #10 = K, #11 = L, #12 = M, #13 = N, #14 = O, #15 = P UL: not for fire or UL installations
∗28	ACCESS CODE FOR 4285/4286 PHONE MODULE	☐☐ [00] (Partition 1 only)	00 = disable; 1st digit: enter 1–9; 2nd digit: enter # + 11 for "∗", or # + 12 for "#". UL: must be "00" for UL Commercial Burg. installations
∗ 29	LONG RANGE RADIO OUTPUT	☐ [0]	0 = disable; 1 = enable
ZONE SOUNDS AND TIMING (∗31 – ∗39)			
∗31	ONE AUDIBLE ALARM PER ZONE	☐ [0]	0 = no UL: must be "0"; 1 = yes
∗32	FIRE ALARM SOUNDER TIMEOUT	☐ [0]	0 = sounder stops at timeout; 1 = no sounder timeout UL: must be "1" for fire install.
∗33	ALARM SOUNDER TIMEOUT	☐ [1]	0 = none; 1 = 4 min; 2 = 8 min; 3 = 12 min; 4 = 16 min; UL: minimum "1" (4 min.)
∗34	EXIT DELAY	☐☐ ☐☐ [60,60] Part. 1 Part. 2	00–99 = seconds of exit delay time for each partition Common zones use same delay as partition 1.
∗35	ENTRY DELAY #1 (zone type 01)	☐☐ ☐☐ [45,45] Part. 1 Part. 2	00–99 = seconds of entry delay #1 time for each partition; UL: 45 seconds max. Common zones use same delay as partition 1.
∗36	ENTRY DELAY #2 (zone type 02)	☐☐ ☐☐ [90,90] Part. 1 Part. 2	00–99 = entry delay #2 time for each partition; UL: 60 seconds max. Common zones use same delay as partition 1.
∗37	AUDIBLE EXIT WARNING	☐ ☐ [1,1] Part. 1 Part. 2	0 = no; 1 = yes
∗38	CONFIRMATION OF ARMING DING	☐ ☐ [0,0] Part. 1 Part. 2	0 = no; 1 = yes (wired touchpads and RF) 2 = yes, RF only
∗39	POWER UP IN PREVIOUS STATE	☐ [1]	0 = no; 1 = yes UL: must be "1"

DIALER PROGRAMMING (∗40 – ∗42)

Enter the number of digits shown. Do not fill unused spaces. Enter 0–9; #+11 for '∗'; #+12 for '#'; #+13 for a 2-second pause.

∗40 PABX ACCESS CODE ☐☐☐☐☐☐

Enter up to 6 digits. If fewer than 6 digits are entered, exit by pressing [∗] and next desired field number. To clear entries from field, press ∗40∗ .

∗41 PRIMARY PHONE No. ☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐

Enter up to 20 digits; Do not fill unused spaces. If fewer than 20 digits entered, exit by pressing [∗] and next desired field number. To clear entries, press ∗41∗ .

∗42 SECOND PHONE No. ☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐

Enter up to 20 digits; Do not fill unused spaces. If fewer than 20 digits entered, exit by pressing [∗] and next desired field number. To clear entries, press ∗42∗ .

For fields *43 and *45:

Enter 0–9; #+11 for B; #+12 for C; #+13 for D; #+14 for E; [#+15 for F]. To clear entries from field, press *43* or *45*.

Examples: For Acct. **1234**, enter: | 1 | 2 | 3 | 4 | ; For Acct. **B234**, enter: |#+11| 2 | 3 | 4 |

✱ 43 SUBSCRIBER ID # (Part.1) ☐☐☐☐ / ☐☐☐☐☐☐ Enter 4 or 10 digits, depending on selection in *48 Report Format. See box above for entries.

✱ 45 SUBSCRIBER ID # (Part. 2) ☐☐☐☐ / ☐☐☐☐☐☐ Enter 4 or 10 digits, depending on selection in *48 Report Format. See box above for entries.

✱47 PHONE SYSTEM SELECT ☐ [3] If Cent. Sta. *IS NOT* on a WATS line: 0=Pulse Dial; 1=Tone Dial; if Cent. Sta. *IS* on a WATS line: 2 = Pulse Dial ; 3 = Tone Dial

✱48 REPORT FORMAT ☐ primary ☐ [77] secondary

5 = CID using 10-digit subscriber account (ID) no.
7 = CID using 4-digit subscriber account (ID) no.
14 = CID 4-digit account no. with shutdown (# + 14)
15 = CID 10-digit account no. with shutdown (# + 15)
UL: only 4-digit Contact ID format has been evaluated

✱49 SPLIT/DUAL REPORTING ☐ [0]

0 = Disable (Backup report only)

	Primary Phone No.	Second Phone No.
1 =	Alarms, Restore, Cancel	Others
2 =	All except Open/Close, Test	Open/Close, Test
3 =	Alarms, Restore, Cancel	All
4 =	All except Open/Close, Test	All
5 =	All	All

✱50 15 SEC DIALER DELAY (BURG) ☐ [1] 0 = no UL: must be "0"; 1 = yes

✱53 MISC. FAULT DELAY TIME ☐ [0]
(Zone Type 25 or Configurable Zone Type)

0 = 15 seconds   6 = 2-1/2 min   #+12 = 8 min
1 = 30 seconds   7 = 3 min   #+13 = 10 min
2 = 45 seconds   8 = 4 min   #+14 = 12 min
3 = 60 seconds   9 = 5 min   #+15 = 15 min
4 = 90 seconds   #+10 = 6 min
5 = 2 minutes   #+11 = 7 min

UL: may only be used on non-burglar alarm/ non-fire alarm zones when used in fire and/or UL burglar alarm installation

✱54 DYNAMIC SIGNALING DELAY ☐ [0] Delay selectable from 0 to 225 secs in 15-sec increments.
0 = no delay (both signals sent), 1 = 15 secs,
2 = 30 secs, etc. UL: must be "0"

✱55 DYNAMIC SIGNALING PRIORITY ☐ [0] 0 = Primary Dialer first; 1 = Long Range Radio first.

TO PROGRAM SYSTEM STATUS, & RESTORE REPORT CODES (✱59 – ✱76, & ✱89) FOR CONTACT ID® REPORTING:
Enter any digit (other than "0") in the *first* box, to enable zone to report (entries in the *second* boxes will be ignored).
UL: see installation instructions for requirements

SYSTEM STATUS REPORT CODES (✱59–✱ 68)

✱59 EXIT ERROR REPORT CODE ☐ [1] Any non-zero entry enables CID report.

✱60 TROUBLE REPORT CODE ☐☐ [10] Any non-zero entry in first digit enables CID report.

✱61 BYPASS REPORT CODE ☐☐ [00] Any non-zero entry in first digit enables CID report.

✱62 AC LOSS REPORT CODE ☐☐ [00] Any non-zero entry in first digit enables CID report.

✱63 LOW BAT REPORT CODE ☐☐ [10] Any non-zero entry in first digit enables CID report.

✱64 TEST REPORT CODE ☐☐ [10] Any non-zero entry in first digit enables CID report.
Use Scheduling mode to schedule periodic test reports.

✱65 OPEN REPORT CODE ☐ ☐ ☐ [0,0,0] Any non-zero entry enables CID report for partition.
Part. 1 Part. 2 Common

✱66 ARM AWAY/STAY RPT CODE ☐ ☐   ☐ ☐   ☐ ☐ [0,0,0,0,0,0] Any non-zero entry enables
Away Stay   Away Stay   Away Stay   CID report
Part. 1   Part. 2   Common

✱67 RF XMTR LOW BAT REPORT CODE ☐☐ [10] Any non-zero entry in first digit enables CID report.
UL: must be enabled if wireless devices are used

✱68 CANCEL REPORT CODE ☐☐ [10] Any non-zero entry in first digit enables CID report.

Entry of a number other than one specified will give unpredictable results.

RESTORE REPORT CODES (∗70 – ∗76)

Field	Description		Default	Notes
∗70	ALARM RESTORE RPT CODE	[ ]	[1]	Any non-zero entry enables CID report.
∗71	TROUBLE RESTORE RPT CODE	[|]	[10]	Any non-zero entry in first digit enables CID report.
∗72	BYPASS RESTORE RPT CODE	[|]	[00]	Any non-zero entry in first digit enables CID report.
∗73	AC RESTORE RPT CODE	[|]	[00]	Any non-zero entry in first digit enables CID report.
∗74	LOW BAT RESTORE RPT CODE	[|]	[10]	Any non-zero entry in first digit enables CID report.
∗75	RF XMTR LO BAT RST RPT CODE	[|]	[10]	Any non-zero entry in first digit enables CID report. UL: must be enabled if wireless devices are used
∗76	TEST RESTORE RPT CODE	[|]	[10]	Any non-zero entry in first digit enables CID report.

OUTPUT AND SYSTEM SETUP (∗77 – ∗93)

Field	Description		Default	Notes
*77	DAYLIGHT SAVINGS TIME START\END MONTH	[|]	[4][10]	0 = Disabled 1-12 = month (1 = January, 2 = February, etc)
*78	DAYLIGHT SAVINGS TIME START\END WEEKEND	[|]	[1][5]	0 = disabled, 1 = first, 2 = second, 3 = third 4 = fourth, 5 = last, 6 = next to last, 7 = third to last
∗84	AUTO STAY ARM	[ ]	[0]	0 = no, 1 = partition 1 only 2 = partition 2 only, 3 = both partitions

∗85   CROSS ZONE TIMER   [ ] [0]

This option not for use in UL installations.

0 = 15 seconds	6 = 2-1/2 min	#+12 = 8 min
1 = 30 seconds	7 = 3 min	#+13 = 10 min
2 = 45 seconds	8 = 4 min	#+14 = 12 min
3 = 60 seconds	9 = 5 min	#+15 = 15 min
4 = 90 seconds	#+10 = 6 min	
5 = 2 minutes	#+11 = 7 min	

(assign cross zones on zone list 4, with *81 Menu mode)

Field	Description		Default	Notes
∗86	CANCEL VERIFY	[ ]	[0]	0 = no, 1 = yes
∗89	EVENT LOG FULL REPORT CODE	[|]	[00]	Enter any digit (other than "0") in the first box, to enable report (entries in the second box are ignored)

∗90   EVENT LOG ENABLES   [ ] [12]

0 = None; 1 = Alarm/Alarm Restore
2 = Trouble/Trouble Restore;
4 = Bypass/Bypass Restore;
8 = Open/Close. *Example:* To select "Alarm/Alarm Restore", and "Open/Close", enter 9 (1 + 8); To select all, enter #15.
NOTE*:* System messages are logged when any non-zero selection is made.

∗91   OPTION SELECTION   [ ] [8]

0 = None
1 = Bell Supervision   UL: required for fire alarm install
4 = AAV   UL: do not use AAV
8 = Exit Delay Restart
Multiple choice example: for AAV (4) + Exit Delay restart (8) enter # + 12; for all (1 + 4 + 8), enter # + 13.

∗92   PHONE LINE MONITOR ENABLE   [ ] [ ] [0,0]

UL: see Inst. Instructions for requirements

Digit 1:: 0 = disabled, 1-15 = 1 min - 15 min
Digit 2:
0 = Touchpad display when line is faulted
1 = Touchpad display plus touchpad trouble sound
2 = Same as "1", plus programmed output device STARTS. If either partition is armed, external sounder activates also. **NOTE:** Output Device must either be programmed to be STOPPED in field ∗80 or STOPPED by Code + # + 8 + output number.

∗93   No. OF REPORTS IN ARMED PERIOD PER ZONE (Swinger Suppression)   [ ] [0]

0 = Unlimited Reports; 1 = 1 report; 2 = 2 reports
UL: must be "0"

DOWNLOAD INFORMATION (∗94, ∗95)

∗94   DOWNLOAD PHONE No.   [\| \| \| \| \| \| \| \| \| \| \| \| \| \| \| \| \| \| \|]

Enter up to 20 digits, 0–9; #+11 for '∗'; #+12 for '#'; #+13 for a 2-second pause. Do not fill unused spaces. If fewer than 20 digits, exit field by pressing ∗ (and press 95, if entering next field). To clear entries from field, press ∗94∗. UL: downloading may be performed only if a technician is at the site.

∗95   RING COUNT FOR DOWNLOADING   [ ] [15]

0 = Disable Station Initiated Download;
1–14 = number of rings (1–9, # +10 =10, # +11 =11, # +12 =12, # +13 =13, # +14 =14);
15 = answering machine defeat (# +15 =15).
NOTE: Do not enter "0" if using 4285/4286 Phone Module.

PAGER OPTIONS 160-172

∗160 PAGER 1 PHONE No. | | | | | | | | | | | | | | | | | | | | |

Enter up to 20 digits. 0–9; #+11 = '∗'; #+12 = '#'; #+13 = 2-second pause.

∗161 PAGER 1 CHARACTERS | | | | | | | | | | | | | | | | |

Enter the optional prefix characters, up to 16 digits.
0–9; #+11 = '∗'; #+12 = '#'; #+13 = 2-second pause.

∗162 PAGER 1 REPORTING OPTIONS ☐ ☐ ☐

Part. 1 Part. 2 common
[0,0,0]

For each partition, select from the following options:
0 = no reports sent
1 = Open/closes all users
4 = All alarms and troubles
5 = All alarms / troubles, and open/closes for all users
12 = Alarms / troubles for zones entered in zone list 9
13 = Alarms / troubles for zones entered in zone list 9, and open\closes for all users

∗163 PAGER 2 PHONE No. | | | | | | | | | | | | | | | | | | | | |

Enter up to 20 digits. 0–9; #+11 = '∗'; #+12 = '#'; #+13 = 2-second pause.

∗164 PAGER 2 CHARACTERS | | | | | | | | | | | | | | | | |

Enter the optional prefix characters, up to 16 digits.
0–9; #+11 = '∗'; #+12 = '#'; #+13 = 2-second pause.

∗165 PAGER 2 REPORTING OPTIONS ☐ ☐ ☐ [0,0,0]

Part. 1 Part. 2 common

See field ∗162 for reporting options. Select for each partition (use zone list 10 if using options 12 or 13).

∗166 PAGER 3 PHONE No. | | | | | | | | | | | | | | | | | | | | |

Enter up to 20 digits. 0–9; #+11 = '∗'; #+12 = '#'; #+13 = 2-second pause.

∗167 PAGER 3 CHARACTERS | | | | | | | | | | | | | | | | |

Enter the optional prefix characters, up to 16 digits.
0–9; #+11 = '∗'; #+12 = '#'; #+13 = 2-second pause.

∗168 PAGER 3 REPORTING OPTIONS ☐ ☐ ☐ 0,0,0]

Part. 1 Part. 2 common

See field ∗162 for reporting options. Select for each partition (use zone list 11 if using options 12 or 13).

∗169 PAGER 4 PHONE No. | | | | | | | | | | | | | | | | | | | | |

Enter up to 20 digits. 0–9; #+11 = '∗'; #+12 = '#'; #+13 = 2-second pause.

∗170 PAGER 4 CHARACTERS | | | | | | | | | | | | | | | | |

Enter the optional prefix characters, up to 16 digits.
0–9; #+11 = '∗'; #+12 = '#'; #+13 = 2-second pause.

∗171 PAGER 4 REPORTING OPTIONS ☐ ☐ ☐ [0,0,0]

Part. 1 Part. 2 common

See field ∗162 for reporting options. Select for each partition (use zone list 12 if using options 12 or 13).

∗172 PAGER DELAY OPTION FOR ALARMS ☐ [3]

0 = none, 1 = 1 minute, 2 = 2 minutes, 3 = 3 minutes
This delay is for ALL pagers in the system.
NOTE: The delay does not reset for new alarms occurring while an existing pager delay is in progress.

REPORTING OPTIONS 173-177

∗173 RF REPORTING OPTIONS ☐ [3]

0 = disable all options
1 = RF Tamper reports during disarm
2 = RF button types send low battery
8 = RF low battery reports delayed (delayed 28 days)
Example: Entering "10" (8 + 2) enables button-type transmitters to send low battery reports and delay all reports for 28 days. UL: see Inst. Instr. for requirements

∗174 CLEAN ME REPORTING OPTIONS ☐ [0]
(for ESL smoke detectors)

0 = disable; 1 = Clean Me signal reports;
2 = Clean Me reports, 28-day enabled.
Note: If Clean Me is enabled, you must enter "3" in field ∗56 programming for zone 1 response time.

∗175 UP AND ABOUT TIME ☐ [0]

0 = none, 1 = 1 hour, 2 = 2 hours,… 15 = 15 hours
(hourly increments)

∗176 LACK OF USAGE OPTION ☐ [0]

1–15 = number of weeks selected (1 week increments)
If panel is not armed within the time period selected, a report will be sent to the central station.

∗177 DEVICE DURATION 1, 2
(used in ∗80 Menu mode-Device Actions 5/6)

		[0] [0]
1	2	

0 = 15 seconds	6 = 2-1/2 min	#+11 = 7 min
1 = 30 seconds	7 = 3 min	#+12 = 8 min
2 = 45 seconds	8 = 4 min	#+13 = 10 min
3 = 60 seconds	9 = 5 min	#+14 = 12 min
4 = 90 seconds	#+10 = 6 min	#+15 = 15 min
5 = 2 minutes		

SYSTEM OPTIONS ∗180-∗181

∗180 SINGLE ZONE BYPASS   [0]   0 = disable; 1 = enabled

∗181 50/60 HERTZ AC OPERATION   [0]   0 = 60 Hz; 1 = 50 Hz

∗182 CONFIGURABLE ZONE TYPE 90

1	2	3	4	5	6	7	8	9	10

Make the appropriate entry for each digit, 1-10, based on the charts provided on the next page. Each digit's entry is the sum of the values of its selected options (0-9, #+10=10, #+11=11, #+12=12, #+13=13, #+14=14, #+15=15).

UL: Do not configure zones as a fire alarm or UL burglar alarm zone.

∗183 ZONE TYPE 90 REPORT CODES
IMPORTANT: Use existing Contact ID® codes, if appropriate, or define unique codes in CID code range 750-789. See important note in installation instructions.

90 ALARM ID: XXX
TROUBLE ID: XXX

Enter the desired 3-digit Contact ID® report codes for alarms and troubles occurring on zones assigned to this zone type. Enter the codes sequentially (all 6 digits). When entering digits, [#] moves cursor back, [∗] moves forward. Press [∗] when done to continue.

∗184 CONFIGURABLE ZONE TYPE 91

1	2	3	4	5	6	7	8	9	10

Make the appropriate entry for each digit, 1-10, based on the charts provided on the next page. Each digit's entry is the sum of the values of its selected options (0-9, #+10=10, #+11=11, #+12=12, #+13=13, #+14=14, #+15=15).

UL: Do not configure zones as a fire alarm or UL burglar alarm zone.

∗185 ZONE TYPE 91 REPORT CODES
IMPORTANT: Use existing Contact ID® codes, if appropriate, or define unique codes in CID code range 750-789. See important note in installation instructions.

91 ALARM ID: XXX
TROUBLE ID: XXX

Enter the desired 3-digit Contact ID® report codes for alarms and troubles occurring on zones assigned to this zone type. Enter the codes sequentially (all 6 digits). When entering digits, [#] moves cursor back, [∗] moves forward. Press [∗] when done to continue.

TOUCHPAD OPTIONS ∗190-∗196   (NOTE: Options for touchpad address 16 are set by the factory and cannot be changed.)

NOTE: Each touchpad must be assigned a unique address. Touchpads programmed with the same address will give unpredictable results.

∗190 TOUCHPAD 2 ADDRESS 17

		[0] [0]
Part.	Sound	

Partition: 0 = keypad disabled; 1-3 = part. no. (3 = com)
Sound: 0 = no suppression
            1 = suppress arm/disarm and E/E beeps
            2 = Suppress chime beeps only
            3 = suppress arm/disarm, E/E, and chime beeps

∗191 TOUCHPAD 3 ADDRESS 18

		[0] [0]
Part.	Sound	

See field ∗190 for entries.

∗192 TOUCHPAD 4 ADDRESS 19

		[0] [0]
Part.	Sound	

See field ∗190 for entries.

∗193 TOUCHPAD 5 ADDRESS 20

		[0] [0]
Part.	Sound	

See field ∗190 for entries.

∗194 TOUCHPAD 6 ADDRESS 21

		[0] [0]
Part.	Sound	

See field ∗190 for entries.

∗195 TOUCHPAD 7 ADDRESS 22

		[0] [0]
Part.	Sound	

See field ∗190 for entries.

∗196 TOUCHPAD 8 ADDRESS 23

		[0] [0]
Part.	Sound	

See field ∗190 for entries.

∗197 EXIT TIME DISPLAY INTERVAL   [0]   0 = no display; 1-5 = seconds between display refresh

∗198 DISPLAY PARTITION NUMBER
(for Custom Display Touchpads)   [0]   0 = no; 1 = yes (partition no. appears on Custom Display)

∗199 ECP FAIL DISPLAY   [0]   0 = 3-digit display ("1" + device address)
1 = 2-digit fixed-display as "91"

Configurable Zone Types Worksheets

Configurable zone types 90 and 91 can be programmed via downloader software or from a touchpad using data fields*182-*185. Configurable zone types 92 and 93 can only be programmed using the downloader software.

Programming Configurable Zone Type options involves entering 10 digits in data field *182 for zone type 90 and field *184 for zone type 91, where each digit represents the sum of the values of its various options as shown in the tables below. Use fields *183 and *185 to program Contact ID® report codes for these zone types.

RF ZONE NOTE: The "open" option in digits 1, 3, and 5 is not applicable for RF zones. Use the "intact EOL" option for normal RF zone conditions and "shorted" for off-normal RF zone conditions.

DIGIT 1 / DIGIT 2

DIGIT 1			DIGIT 2	
Response when system disarmed and zone is:			**Auto Restore**	**Vent Zone**
Intact EOL *RF zone normal*	**Open** *RF zone N/A*	**Shorted** *RF zn off-normal*		
0 = normal 1 = alarm 2 = trouble 3 = fault	0 = normal 4 = alarm 8 = trouble 12 = fault	0 = normal 1 = alarm 2 = trouble 3 = fault	0 = no 4 = yes	0 = no 8 = yes
Digit 1 = EOL + Open			Digit 2 = Short + auto restore + vent zone	

DIGIT 3 / DIGIT 4

DIGIT 3			DIGIT 4	
Response when armed STAY and zone is:			**Byp. when disarmed**	**Byp. when armed**
Intact EOL *RF zone normal*	**Open** *RF zone N/A*	**Shorted** *RF zn off-normal*		
0 = normal 1 = alarm 2 = trouble 3 = fault	0 = normal 4 = alarm 8 = trouble 12 = fault	0 = normal 1 = alarm 2 = trouble 3 = fault	0 = no 4 = yes	0 = no 8 = yes
Digit 3 = EOL + Open			Digit 4 = Short + byp. disarmed + byp. armed	

DIGIT 5 / DIGIT 6

DIGIT 5			DIGIT 6	
Response when armed AWAY and zone is:			**Dial Delay (see field *50)**	**Fault Delay (see field *53)**
Intact EOL *RF zone normal*	**Open** *RF zone N/A*	**Shorted** *RF zn off-normal*		
0 = normal 1 = alarm 2 = trouble 3 = fault	0 = normal 4 = alarm 8 = trouble 12 = fault	0 = normal 1 = alarm 2 = trouble 3 = fault	0 = no 4 = use delay	0 = no 8 = use delay see note 1
Digit 5 = EOL + Open			Digit 6 = Short + dial delay + fault delay	

DIGIT 7 / DIGIT 8

DIGIT 7		DIGIT 8		
Display Faults	**Power Reset/ Verification**	**Use Entry Delay 1/2**	**Use Exit Delay**	**Respond as Interior Type**
0 = show alarms when armed & disarmed 1 = don't show alarms when armed (show alarms, trbles, faults when disarmed) 3 = never show any alarms, trbles, faults	0 = no 4 = power reset after fault (by code + OFF) 12 = verification (see zone type 16)	0 = no 1 = delay 1 2 = delay 2	0 = no 4 = use exit delay	0 = no 8 = yes see note 2
Digit 7 = fault display + power reset/verification		Digit 8 = entry delay 1/entry delay 2 + exit delay + interior zone type		

DIGIT 9 / DIGIT 10

DIGIT 9			DIGIT 10	
Alarm Sounds	**Use Bell Timeout**	**Respond as Fire Zone**	**Trouble Sounds**	**Chime when Chime Mode On**
0 = none 1 = steady touchpad 2 = steady bell and touchpad 3 = pulsing bell and touchpad	0 = no 4 = yes see fields *32, *33	0 = no 8 = yes see zone type 09; see note 4	0 = none 1 = periodic beep 2 = trouble beeps	0 = no 4 = yes
Digit 9 = alarm sounds + bell timeout + fire zone			Digit 10 = trouble sounds + chime	

Entries for Fields *182 and *184

Digit	Zone Type 90 (field *182)	Zone Type 91 (field *184)
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		

To calculate each digit's entry:
Simply add the values of the selected options in each of the digit's columns (one option per column). For example, to program Digit 2 for "alarm response to short," "auto restore on," but not a "vent zone," enter 5 ("1" for alarm short + "4" for auto restore yes + "0" for vent zone no).

Zone Conditions Represented in Digits 1-6
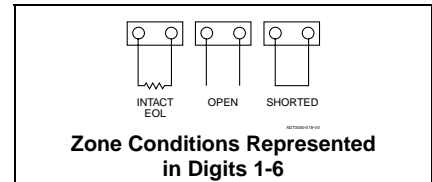
NOTES:
1. Do not use the "fault delay" option with a configurable zone type if it is set for an entry or exit delay, otherwise unpredictable results may occur.
2. To create an interior type zone, select "respond as interior zone type" (Digit 8, interior type = yes), and set zone response to "fault" in digits 3-4 to ensure fault displays; do not set as "normal," "alarm," or "trouble."
3. Do not set fire zones to respond as a "fault" (digits 1-6), otherwise faults will not display unless the [∗] key is pressed.
4. 4219/4229 modules must use EOLRs or unpredictable results may occur.

*56 ZONE PROGRAMMING WORKSHEET [default values shown in brackets]

Zone	Zn Type	Part.	Report	Input Type	Loop	Rsp. Time	Serial No.	Location
1	[01]	[1]		[HW]		[1]		
2	[01]	[1]		[HW]		[1]		
3	[10]	[1]		[HW]		[1]		
4	[10]	[1]		[HW]		[1]		
5	[10]	[1]		[HW]		[1]		
6	[01]	[1]		[HW]		[1]		
7	[01]	[1]		[HW]		[1]		
8	[01]	[1]		[HW]		[1]		
9								
10								
11								
12								
13								
14								
15								
16								
17								
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34								
35								
36								
37								
38								
39								
40								
41								
42								
43								
44								
45								
46								
47								
48								
49		[1]		[BR]	[1]			
50		[1]		[BR]	[1]			
51		[1]		[BR]	[1]			
52		[1]		[BR]	[1]			
53		[1]		[BR]	[1]			
54		[1]		[BR]	[1]			
55		[1]		[BR]	[1]			
56		[1]		[BR]	[1]			
57		[1]		[BR]	[1]			
58		[1]		[BR]	[1]			
59		[1]		[BR]	[1]			
60		[1]		[BR]	[1]			
61		[1]		[BR]	[1]			
62		[1]		[BR]	[1]			
63		[1]		[BR]	[1]			
64		[1]		[BR]	[1]			
95	[09]			N/A	N/A	N/A	N/A	touchpad [1] / [∗]
96				N/A	N/A	N/A	N/A	touchpad [3] / [#]
99	[07]			N/A	N/A	N/A	N/A	touchpad [∗] / [#]

Reserved Zones

91 = addressable device report enable/disable default zone type = [05].

92 = Duress report enable/disable

NOTES: Zone Type: see chart on page 12; Report Code: enabled if any digit entered as 1st digit; Input Type: HW (1-zones 1-8), AW (2-zones 9-48), RF (3-zones 1-48), UR (4-zones 1-48), BR (5-zones 49-64); Response Time: 0 (10msec), 1 (350msec), 2 (700msec), 3 (1.2 sec)
All zones, including duress (zone 92), are enabled for Contact ID® reporting.

– 9 –

*57 FUNCTION KEY PROGRAMMING

Option	Function	A	B	C	D	Comments
01	Paging					
02	Time Display					
03	Arm AWAY					
04	Arm STAY					
05	Arm NIGHT-STAY					
06	Step Arming					
07	Device Activation					Device:
08	Comm. Test					
09	Macro Key 1					
10	Macro Key 2					
11	Macro Key 3					
12	Macro Key 4					
00	Emergency Keys:					
	Personal Emergency					
	Silent Alarm					
	Audible Alarm					
	Fire					
	Emergency Keys: A = [1] / [∗] B = [∗] / [#] C = [3] / [#]					

OUTPUT RELAYS/POWERLINE CARRIER DEVICES WORKSHEET FOR ∗79, ∗80 and ∗81.
Applicable only if Relays and/or Powerline Carrier Devices are to be used.

∗79 RELAY/POWERLINE CARRIER DEVICE MAPPING (Must program before using ∗80)

Output No.	OUTPUT TYPE Relay Module Addr.	OUTPUT TYPE Relay Pos (1-4)	OUTPUT TYPE X10 Unit No.	Description
01				
02				
03				
04				
05				
06				
07				
08				

Output No.	OUTPUT TYPE Relay Module Addr.	OUTPUT TYPE Relay Pos (1-4)	OUTPUT TYPE X10 Unit No.	Description
09				
10				
11				
12				
13				
14				
15				
16				
17	On-Board Trigger 1			
18	On-Board Trigger 2			

∗81   ZONE LISTS FOR OUTPUT DEVICES

Fill in the required data on the worksheet below and follow the procedure in the installation manual as you enter the data during the displays and prompts that appear in sequence.

Note: Record desired zone numbers below, noting that a list may include *any* or *all* of system's zone numbers.

List No.	Used For…	Contains These Zones…
01	General Purpose (GP)	
02	General Purpose	
03	Chime-by-Zone or GP	
04	Cross Zones or GP	
05	Night-Stay Zones or GP	
06	General Purpose	
07	General Purpose	
08	General Purpose	
09	Zones activating pager 1	
10	Zones activating pager 2	
11	Zones activating pager 3	
12	Zones activating pager 4	

*80 OUTPUT DEFINITIONS

Fill in the required data on the worksheet below and follow the programming procedure in the installation manual as you enter the data during the displays and prompts that appear in sequence.

Notes: **1.** For Relays, 4229 and 4204 devices are programmed in *79, *80, and *81 modes.

2. For Powerline Carrier devices (plcd), field ∗27 must be programmed with a House Code.

3. Tampers of expansion units cannot be used to operate devices.

Output Function Number (1-48)	Activated by 0=delete 1=zn list 2=zn type 3=zn no.	Zone List (ZL) 1-8 = list	Zone Type (ZT) (see table below)	Zone No. (ZN) 00=none 01-64	Partition Number (P) (if using ZT trig) 0 = any 1 = partition 1 2 = partition 2 3 = common	By Zone List 0 = restore 1 = alarm 2 = fault 3 = trouble	By Zone No. 0 = restore 1 = alrm/flt/trbl	Action 0 = off 1 = close 2 secs 2 = stay closed 3 = pulse 4 = toggle 5 = duration 1†† 6 = duration 2††	Output Number 1-18= dev	Device Type R = relay T = trigger X = X10
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
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45										
46										
47										
48										

ZONE TYPE/SYSTEM OPERATION – Choices for Zone Types are:

00 = Not Used	05 = Trouble Day/Alarm Night	10 = Interior w/Delay	24 = Silent Burglary
01 = Entry/Exit#1	06 = 24 Hr Silent	12 = Monitor Zone	25 = 24-Hr Non-Alarm
02 = Entry/Exit#2	07 = 24 Hr Audible	14 = Carbon Monoxide	77 = Keyswitch
03 = Perimeter	08 = 24 Hr Aux	16 = Fire w/Verification	90-93 = Configurable
04 = Interior Follower	09 = Fire	23 = No Alarm Response	

Note: *Any* zone in "ZT" going into alarm, fault, or trouble will actuate device. *Any* zone of that type that restores will stop relay action.

Choices for System Operation are:

20 = Arming–Stay	38 = Chime	52 = Kissoff
21 = Arming–Away	39 = Any Fire Alarm	54 = Fire Zone Reset
22 = Disarming (Code + OFF)	40 = Bypassing	58 = Duress
31 = End of Exit Time	41 = **AC Power Failure	60 = AAV Trigger
32 = Start of Entry Time	42 = **System Battery Low	66 = Function key†
33 = Any Burglary Alarm	43 = Communication Failure	67 = Bell Failure
36 = **At Bell Timeout***		68 = TELCO Line Fault
		78 = keyswitch red LED†††
		79 = keyswitch green LED†††

Note: In normal operation mode:

Code + # + 7 + NN Key Entry **starts** Device

Code + # + 8 + NN Key Entry **stops** Device

** Use 0 (any) for Partition No. (P) entry.
*** Or at Disarming, whichever occurs earlier.
† Use *57 Menu mode to assign the function key.
†† Duration is set in program field *177.
††† Device action not used for these choices.

Zone Type Definitions

Type 00
Zone Not Used

Use this zone type if the zone is not used.

Type 01
Entry/Exit Burglary #1

- Assign to zones that are used for primary entry and exit.
- Provides entry delay if the control is armed in the Away or Stay modes.
- No entry delay is provided when the panel is armed in the Instant mode.
- Entry delay #1 is programmable from 0 to 99 seconds for each partition.
- Exit delay begins whenever the control is armed, regardless of the arming mode selected, and is independently programmable from 0 to 99 seconds (field ✱34).

Type 02
Entry/Exit Burglary #2

- Assign to zones that are used for entry and exit and require more time than the primary entry/exit point.
- Provides a secondary entry delay, in same manner as entry delay #1.
- Entry delay #2 is programmable from 0 to 99 seconds for each partition.
- Exit delay is same as described for Type 01.

Type 03
Perimeter Burglary

- Assign to all sensors or contacts on exterior doors and windows.
- Provides an instant alarm if the zone is faulted when the panel is armed in the Away, Stay, or Instant modes.

Type 04
Interior Follower

- Assign to a zone covering an area such as a foyer, lobby, or hallway through which one must pass upon entry (to and from the touchpad).
- Provides a delayed alarm (using the programmed entry/exit time) if the entry/exit zone is faulted first. Otherwise this zone type gives an instant alarm.
- Active when the panel is armed in the Away mode.
- Bypassed automatically when the panel is armed in the Stay or Instant modes.

Type 05
Trouble by Day/ Alarm by Night

- Assign to a zone that contains a foil-protected door or window (such as in a store), or to a zone covering a sensitive area such as a stock room, drug supply room, etc.
- Can also be used on a sensor or contact in an area where immediate notification of an entry is desired.
- Provides an instant alarm if faulted when armed in the Away, Stay, or Instant (night) modes.
- During the disarmed state (day), the system will provide a latched trouble sounding from the touchpad (and a central station report, if desired).

Type 06
24-hour Silent Alarm

- Usually assigned to a zone containing an emergency button.
- Sends a report to the central station but provides no touchpad display or sounding.

Type 07
24-hour Audible Alarm

- Assign to a zone that has an emergency button.
- Sends a report to the central station, and provides an alarm sound at the touchpad, and an audible external alarm.

Type 08
24-hour Auxiliary Alarm

- Assign to a zone containing an emergency button, or to a zone containing monitoring devices such as water or temperature sensors.
- Sends a report to the central station and provides an alarm sound at the touchpad. **(No bell output is provided.)**

Type 09
Fire

- Provides a fire alarm on short circuit and a trouble condition on open circuit. A fire alarm produces a pulsing bell output.
- This zone type is always active and cannot be bypassed.

Note: Only hardwired zone 1 should be programmed as a fire zone, where 2-wire smoke detectors can be connected. However, any wireless zone can be used as a fire zone.

Type 10
Interior w/Delay

- Provides entry delay (using the programmed entry time), if tripped when the panel is armed in the Away mode.
- Entry Delay begins whenever sensors in this zone are violated, regardless of whether or not an entry/exit delay zone was tripped first.
- Bypassed when the panel is armed in the Stay or Instant modes.

Type 12
Monitor Zone

- Works as a dynamic monitor of a zone fault/trouble. In the case of a short/open, the message, "**ALARM-24 Hr. Non-Burg. -#XXX** " (where XXX is the zone number) will be sent to the Central Station. The system keypad will display a "check" message indicating the appropriate zone. Upon restoral of the zone, the message, "**RESTORE-24 Hr. Non-Burg. -#XXX** " will be sent to the Central Station.
- The "check" message will automatically disappear from the keypad. The zone restores dynamically; therefore a user code + off sequence is not needed to reset the zone.
- Faults of this zone type are independent of the system, and can exist at the time of arming without interference.
- Since this is a "trouble" zone type, do not use this zone type with relays set to activate upon "alarm."

Type 14
Carbon Monoxide

- Assigned to any zone with a carbon monoxide detector.
- The bell output will pulse when this zone type is alarmed.
- Always active and cannot be bypassed.

Type 16
Fire w/Verification

- Provides a fire alarm when zone is shorted, but only after alarm verified.
- System verifies alarm by resetting zones for 12 seconds after short is detected. A subsequent short circuit within 90 seconds triggers fire alarm.
- Provides a trouble response when zone is open.
- UL: may not be used on zone 1.

Type 20 **Arm-Stay**	• Arms the system in Stay mode when the zone is activated. • Pushbutton units send the user number to the central station when arming or disarming. • User code for button must be assigned.			
Type 21 **Arm-Away**	• Arms the system in Away mode when the zone is activated. • Pushbutton units send the user number to the central station when arming or disarming. • User code for button must be assigned.			
Type 22 **Disarm**	• Disarms the system when the zone is activated. • User code for button must be assigned.			
Type 23* **No Alarm Response**	• Can be used on a zone when an output relay action is desired, but with no accompanying alarm (e.g., lobby door access).			
Type 24 **Silent Burglary**	• Usually assigned to all sensors or contacts on exterior doors and windows where bells and/or sirens are NOT desired. • Provides an instant alarm, with NO audible indication at any touchpad or external sounder, if the zone is faulted when the system is armed in the Away, Stay, or Instant, modes. • A report is sent to the central station.			
Type 25* **24-Hour Non-Alarm**	• For use with sensors designed to provide a trouble display (but no trouble sounding) when an oil tank is low, or other similar application for critical condition monitoring where a non-alarm response is required. • When this zone type is faulted and remains faulted for the programmed time duration (field *53), a special event message is sent to the central monitoring station. The same holds true for restoration.			
Type 77 **Keyswitch**	• Assign to zone wired to a keyswitch.			
Types 90-93 **Installer Defined**	• These zone types can be programmed for various custom responses. See data fields *182-*185.			

*The system can still be armed when these zone types are in a faulted condition.

Schedules (installer code + [#] + [6] [4]; *master code can only access schedules 01-16 and events 00-07*)

No.	Event (see list below)	Device No. for "01" events: enter 01-18	Group No. for "02" events: enter 1-8	Partition for "04-06" events: enter 1, 2, or 3	Start Time/ **Days**	Stop Time/ **Days**	Repeat (yes/no)	Random (yes/no)
00								
01								
02								
03								
04								
05								
06								
07								
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								
31								
32								

Events: Master/Installer
01 = device on/off
02 = user access
03 = latch key report
04 = forced STAY arm
05 = forced AWAY arm
06 = auto disarm
07 = display "reminder"

Installer Only
10 = display custom words 8-10
11 = peridoic test report
12 = up and about (large time window within which time selected in field *175 is monitored)

ALPHA VOCABULARY LIST (For Entering Zone Descriptors)

000 *(Word Space)*	• 057 DOOR	**– L –**	**– R –**	**– V –**
– A –	• 059 DOWN	• 106 LAUNDRY	155 RADIO	209 VALVE
• 001 AIR	• 060 DOWNSTAIRS	• 107 LEFT	• 156 REAR	210 VAULT
• 002 ALARM	061 DRAWER	108 LEVEL	157 RECREATION	212 VOLTAGE
004 ALLEY	• 062 DRIVEWAY	• 109 LIBRARY	159 REFRIGERATION	**– W –**
005 AMBUSH	• 064 DUCT	• 110 LIGHT	160 RF	213 WALL
• 006 AREA	**– E –**	111 LINE	• 161 RIGHT	214 WAREHOUSE
• 007 APARTMENT	• 065 EAST	• 113 LIVING	• 162 ROOM	• 216 WEST
• 009 ATTIC	066 ELECTRIC	• 114 LOADING	163 ROOF	• 217 WINDOW
010 AUDIO	067 EMERGENCY	115 LOCK	**– S –**	• 219 WING
– B –	068 ENTRY	116 LOOP	164 SAFE	220 WIRELESS
• 012 BABY	• 069 EQUIPMENT	117 LOW	165 SCREEN	**– X –**
• 013 BACK	• 071 EXIT	• 118 LOWER	166 SENSOR	222 XMITTER
• 014 BAR	072 EXTERIOR	**– M –**	• 167 SERVICE	**– Y –**
• 016 BASEMENT	**– F –**	• 119 MACHINE	• 168 SHED	223 YARD
• 017 BATHROOM	• 073 FACTORY	121 MAIDS	169 SHOCK	**– Z –**
• 018 BED	075 FAMILY	122 MAIN	• 170 SHOP	224 ZONE (No.)
• 019 BEDROOM	• 076 FATHERS	• 123 MASTER	171 SHORT	• 225 ZONE
020 BELL	• 077 FENCE	• 125 MEDICAL	• 173 SIDE	• 226 0
• 021 BLOWER	• 079 FIRE	126 MEDICINE	174 SKYLIGHT	• 227 1
• 022 BOILER	• 080 FLOOR	128 MONEY	175 SLIDING	• 228 1ST
023 BOTTOM	081 FLOW	129 MONITOR	• 176 SMOKE	• 229 2
025 BREAK	082 FOIL	• 130 MOTHERS	• 178 SONS	• 230 2ND
• 026 BUILDING	• 083 FOYER	• 131 MOTION	• 179 SOUTH	• 231 3
– C –	084 FREEZER	132 MOTOR	180 SPRINKLER	• 232 3RD
028 CABINET	• 085 FRONT	**– N –**	• 182 STATION	• 233 4
• 029 CALL	**– G –**	• 134 NORTH	184 STORE	• 234 4TH
030 CAMERA	• 089 GARAGE	135 NURSERY	• 185 STORAGE	• 235 5
031 CAR	• 090 GAS	**– O –**	186 STORY	• 236 5TH
033 CASH	091 GATE	• 136 OFFICE	190 SUPERVISED	• 237 6
034 CCTV	• 092 GLASS	• 138 OPEN	191 SUPERVISION	• 238 6TH
035 CEILING	093 GUEST	139 OPENING	192 SWIMMING	• 239 7
036 CELLAR	094 GUN	• 140 OUTSIDE	193 SWITCH	• 240 7TH
• 037 CENTRAL	**– H –**	142 OVERHEAD	**– T –**	• 241 8
038 CIRCUIT	• 095 HALL	**– P –**	194 TAMPER	• 242 8TH
• 040 CLOSED	• 096 HEAT	143 PAINTING	196 TELCO	• 243 9
• 046 COMPUTER	098 HOLDUP	• 144 PANIC	197 TELEPHONE	• 244 9TH
047 CONTACT	099 HOUSE	145 PASSIVE	• 199 TEMPERATURE	245 Custom Word #1
– D –	100 INFRARED	• 146 PATIO	200 THERMOSTAT	246 Custom Word #2
• 048 DAUGHTERS	• 101 INSIDE	147 PERIMETER	• 201 TOOL	247 Custom Word #3
049 DELAYED	102 INTERIOR	• 148 PHONE	202 TRANSMITTER	248 Custom Word #4
• 050 DEN	103 INTRUSION	150 POINT	**– U –**	249 Custom Word #5
051 DESK	**– J –**	151 POLICE	• 205 UP	250 Custom Word #6
• 052 DETECTOR	104 JEWELRY	152 POOL	• 206 UPPER	251 Custom Word #7
• 053 DINING	**– K –**	• 153 POWER	• 207 UPSTAIRS	252 Custom Word #8
054 DISCRIMINATOR	• 105 KITCHEN		• 208 UTILITY	253 Custom Word #9
055 DISPLAY				254 Custom Word #10

Note: Bulleted (•) words in **boldface type** are those that are also available for use by the 4285/4286 Phone Module. If using a Phone module, and words other than these are selected for Alpha descriptors, the module will not provide annunciation of those words.

CHARACTER (ASCII) CHART (For Adding Custom Words)

32 (space)	41)	50 2	59 ;	68 D	77 M	87 W
33 !	42 *	51 3	60 <	69 E	78 N	88 X
34 "	43 +	52 4	61 =	70 F	79 O	89 Y
35 #	44 ,	53 5	62 >	71 G	80 P	90 Z
36 $	45 –	54 6	63 ?	72 H	81 Q	
37 %	46 .	55 7	64 @	73 I	82 R	
38 &	47 /	56 8	65 A	74 J	83 S	
39 '	48 0	57 9	66 B	75 K	84 T	
40 (	49 1	58 :	67 C	76 L	85 U	
					86 V	

5800 Series Transmitter Input Loop Identification

- All of the transmitters illustrated below have one or more unique factory assigned input (loop) ID codes. *Each of the inputs requires its own programming zone* (e.g., a 5804's four inputs require four programming zones).

- Transmitter inputs entered as:

  "RF" (Supervised RF) Type send periodic check-in signals, as well as fault, restore and low battery signals. The transmitter must remain within the receiver's range.

  "UR" (Unsupervised RF) Type send all the signals that the "RF" Type does, but the control does not supervise the check-in signals. The transmitter may, therefore, be carried off-premises.

  "BR" (Unsupervised Button RF) Type only send fault signals. They do not send restore or check-in signals. They will indicate a low battery condition when tested or activated normally. The transmitter may be carried off-premises.

  Note: For information on any transmitter not shown above, refer to the instructions accompanying that transmitter for details regarding loop numbers, etc.

  UL NOTE: **The 5802MN, 5802MN2, 5804, 5804BD, 5814, 5816TEMP, 5819, 5819WHS & BRS, 5827BD, and 5850 transmitters are not intended for use in UL installations**
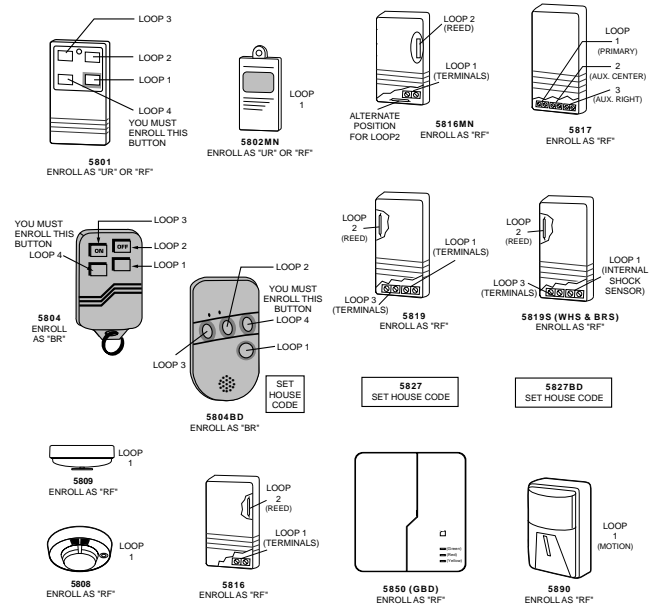
Table of Device Addresses

Address	Report†	Device	Programmed by…
00	100	RF Receiver	*56 zone programming: input device type entry
03	103	Long Range Radio	automatic if output to long range radio field *29 enabled
04	104	4286 Voice Module	automatic if phone module access code field *28 enabled
		Zone Expanders (4219/4229):	*56 zone programming: input device type entry, then:
07	107	module 1 zones 09 - 16	• automatic if zone no. 9-16 entered as AW type or relay assigned
08	108	module 2 zones 17 - 24	• automatic if zone no. 17-24 entered as AW type or relay assigned
09	109	module 3 zones 25 - 32	• automatic if zone no. 25-32 entered as AW type or relay assigned
10	110	module 4 zones 33 - 40	• automatic if zone no. 33-40 entered as AW type or relay assigned
11	111	module 5 zones 41 - 48	• automatic if zone no. 41-48 entered as AW type or relay assigned
		Relay Modules (4204):	*79 output device programming: device address prompt:
12	112	module 1	• entered at device address prompt
13	113	module 2	• entered at device address prompt
14	114	module 3	• entered at device address prompt
15	115	module 4	• entered at device address prompt
		Touchpads:	data filed programming as listed below:
16	n/a	touchpad 1	• always enabled for partition 1, all sounds enabled.
17	n/a	touchpad 2	• data field *190
18	n/a	touchpad 3	• data field *191
19	n/a	touchpad 4	• data field *192
20	n/a	touchpad 5	• data field *193
21	n/a	touchpad 6	• data field *194
22	n/a	touchpad 7	• data field *195
23	n/a	touchpad 8	• data field *196
28	n/a	5800TM Module	automatic

† Addressable devices are identified by "1" plus the device address when reporting. Enter report code for zone 91 to enable addressable device reporting (default = reports enabled). See field *199 for addressable device (ECP) 3-digit/2-digit identification touchpad display options.

SAFEWATCH PRO 3000
SECURITY MANAGER 3000
SUMMARY OF CONNECTIONS

ADT3000-SOC-V1

4-WIRE SMOKE DETECTOR CONNECTIONS

EOL POWER SUPERVISION RELAY MODULE A77-716B

PROGRAM RELAY AS ZONE TYPE 54 (FIRE ZONE RESET)

RELAY

2000 OHMS EOLR

RED / VIOLET / BLK

4-WIRE SMOKE DETECTOR OR COMBUSTION DETECTOR

HEAT DETECTOR

AUX PWR + OUTPUT TERMINALS –

TO ZONES 2-8 TERM. (+)

TO ZONES 2-8 TERM. (–)

EARTH GROUND — SEE INSTRUCTIONS FOR PROPER GROUNDING

Terminals: 21 22 23 24 25

- 21 TIP (BROWN) / RING (GRAY) — HANDSET
- 22 RING (GRAY)
- 23 TIP (GREEN) / RING (RED) — INCOMING PHONE LINE
- 24 RING (RED)
- 25 EARTH GROUND

TELEPHONE WIRING (VIA RJ31X* JACK AND DIRECT CONNECT CORD) *CA38A IN CANADA

DOC LOAD NO.: 3

FOR CONNECTION OF OPTIONAL 4285 OR 4286 VIP MODULES TO PHONE TERMINALS, SEE INSTRUCTIONS.

WARNING: TO PREVENT RISK OF SHOCK, DISCONNECT TELEPHONE LINE AT TELCO JACK BEFORE SERVICING THIS UNIT.

COMPLIES WITH FCC RULES, PART 68. FCC REGISTRATION #: 5GBUSA-44003-AL-E RINGER EQUIVALENCE: 0.1B.

THIS DEVICE COMPLIES WITH PART 15 OF FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRED OPERATION.

WEEKLY TESTING IS REQUIRED TO ENSURE PROPER OPERATION OF THIS SYSTEM. IN ADDITION, THIS SYSTEM MUST BE CHECKED BY A QUALIFIED TECHNICIAN AT LEAST ONCE EVERY THREE (3) YEARS.

ALL DEVICES AND ACCESSORIES USED IN A CANADIAN INSTALLATION MUST BE LISTED FOR USE IN CANADA.

ADEMCO No. 4219 WIRED EXPANSION MODULE (8 ADDL EOLR WIRED ZONES)
—OR—
ADEMCO No. 4229 WIRED EXPANSION/RELAY MODULE (8 ADDL EOLR WIRED ZONES PLUS 2 OUTPUT RELAYS)
—OR—
ADEMCO No. 4204 RELAY MODULE (4 OUTPUT RELAYS)

AND/OR

ADEMCO 5881 Type RF RECEIVER WIRELESS ZONES
- 5881L: UP TO 8
- 5881M: UP TO 16
- 5881H: UP TO 64 (48+16 BUTTONS)
- *5882 IN CANADA

SET UNIT'S DIP SWITCH FOR DEVICE ADDRESSES 7-15 SEE INSTRUCTIONS.

SET RECEIVER'S DIP SWITCH FOR DEVICE ADDRESS OF "0". SEE INSTRUCTIONS.

BLK / RED / GRN / YEL

OPTIONAL FOR UP TO 40 ADDITIONAL ZONES (FROM EITHER OR BOTH GROUPS)

Zone terminals 8–20:
- ZONE 1 — 2000 OHMS EOLR
- ZONE 2 — 2000 OHMS EOLR
- ZONE 3 — 2000 OHMS EOLR
- ZONE 4 — 2000 OHMS EOLR
- ZONE 5 — 2000 OHMS EOLR
- ZONE 6 — 2000 OHMS EOLR
- ZONE 7 — 2000 OHMS EOLR
- ZONE 8 — 2000 OHMS EOLR

CAN BE USED FOR 2-WIRE SMOKE DETECTORS

• **MAXIMUM LOOP RESISTANCE:** (EACH ZONE) 300 OHMS (PLUS EOLR)
• **RESPONSE, ZONES 1-8:** 10, 350, OR 700 MSEC (PROGRAMMABLE)
• MAXIMUM NUMBER OF 2-WIRE SMOKE DETECTORS ON ZONE 1 IS 16; DETECTORS MUST HAVE COMPATIBILITY IDENTIFIER AS "A".

8-PIN CONNECTOR USED FOR 4300/1321 X10 TRANSFORMER CONNECTIONS AND FOR ON-BOARD TRIGGERS. SEE INSTRUCTIONS.

(USE SA4120XM-1 CABLE)

SYNC / COM / DATA — TO TRANS.

1 2 3 4 5 6 7 8

- 1 OUTPUT 17 (TRIG. 1)
- 2 OUTPUT 18 (TRIG. 2)
- 3 GND
- 4 +12 AUX
- TO TERM 4 — BLK
- TO TERM 5 — RED
- TO TERM 6 — GRN
- TO TERM 7 — YEL

Terminals 5, 6, 7:
- RED: KEYPAD PWR (+)
- GREEN: DATA IN FROM KEYPAD
- YELLOW: KEYPAD DATA OUT
- BLACK: KEYPAD GROUND (–) RETURN

REMOTE TOUCHPADS AND OTHER ADDRESSABLE DEVICES (e.g. 5800TM, 4285/4286, LRR, 4219, 4229, 4204, 5881)

AUX. POWER OUTPUT 10.5–13.8VDC 600mA MAX. (500mA MAX. FOR UL INSTALLATIONS)

ALL OUTPUTS ARE POWER LIMITED.

NOTE: TOUCHPAD (S) CURRENT (IN BOTH PARTITIONS) AND ALL OTHER DEVICES DRAWING POWER FROM TERMS 4 & 5 MUST BE INCLUDED IN AUX CURRENT DRAIN CALCULATIONS.

REMOTE TOUCHPADS EACH PARTITION CAN USE 6150/ADT OR 6160/ADT TOUCHPADS. LOCAL PROGRAMMING MUST BE DONE WITH A 6139B BUT NEED NOT REMAIN IN THE SYSTEM (SET TO ADDRESS 16).

FOR COMPLETE INFORMATION, SEE INSTRUCTIONS K5305V1

ASSEMBLED IN MEXICO

24-HR BATTERY STANDBY REQUIRED FOR FIRE INSTALLATIONS. USE 12V, 17.2AH BATTERY FOR 600mA AUX. POWER. SEE INSTRUCTIONS.

BATTERY CAPACITY FOR EMERGENCY BURGLARY STANDBY USE AT LEAST 4 HRS

BATTERY FUSE FOR REPLACEMENT, USE SAME VALUE (e.g. ADEMCO No. 90-12)

3A

CHARGING VOLTAGE 13.8VDC. MAXIMUM CHARGING CURRENT 650mA.

SEALED LEAD-ACID TYPE. BATTERY NORMALLY NEED NOT BE REPLACED FOR AT LEAST 3 YRS.

TO DETERMINE TOTAL STANDBY LOAD ON BATTERY, ADD 100mA TO TOTAL OF AUX POWER OUTPUT AND REMOTE TOUCHPAD CURRENTS.

USE UL LISTED LIMITED ENERGY CABLE FOR ALL CONNECTIONS.

CLASS 2 PLUG-IN TRANSFORMER 16.5VAC, 25VA (e.g. ADEMCO No. 1321), (USE No. 1321CN IN CANADA)

FLYING LEADS FOR BATTERY CONNECTION

BATTERY 12V, 4AH

BLACK – / RED +

RED JUMPER CUT FOR BELL SUPERVISION. ALSO, CONNECT 2000 OHM RESISTOR DIRECTLY ACROSS SOUNDER.

ALARM OUTPUT 10.5–13.8VDC, 2A MAX. (600mA MAX. FOR UL USAGE, INCLUDING AUX POWER) STEADY FOR BURGLARY/PANIC, TEMPORAL PULSE SOUNDING FOR FIRE. CAN USE ADEMCO No. 702 SIREN, OR 12V BELL). SEE INSTRUCTIONS.

TO 110VAC UNSWITCHED OUTLET (24HR)

USE 4300 / 1321 X10 TRANSFORMER INTERFACE IN PLACE OF 1321 OR 1321CN WHEN POWER LINE CARRIER DEVICES ARE BEING USED. (SEE INSTRUCTIONS FOR CONNECTIONS)

THIS EQUIPMENT SHOULD BE INSTALLED IN ACCORDANCE WITH THE NATIONAL FIRE PROTECTION ASSOCIATION'S STANDARD 72, CHAPTER 2 (NATIONAL FIRE PROTECTION ASSOCIATION BATTERY MARCH PARK, QUINCY, MA 02269). PRINTED INFORMATION DESCRIBING PROPER INSTALLATION, OPERATION, TESTING, MAINTENANCE, EVACUATION PLANNING AND REPAIR SERVICE IS TO BE PROVIDED WITH THIS EQUIPMENT.

CONNECTION OF THE FIRE ALARM SIGNAL TO A FIRE ALARM HEADQUARTERS OR A CENTRAL STATION SHALL BE PERMITTED ONLY WITH THE PERMISSION OF THE LOCAL AUTHORITY HAVING JURISDICTION. THE BURGLAR ALARM SIGNAL SHALL NOT BE CONNECTED TO A POLICE EMERGENCY NUMBER.