

# "250 SERIES"

## SUPPLEMENTARY INSTALLATION MANUAL

**MARCH 1995**

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## **COMMUNICATOR CODES**

Each of the following communication codes contain four (4) locations referred to as Data 1, Data 2, Data 3 and Data 4. The first three locations are used for either enabling/Disabling and or determining the reporting channel or event number for the select communication code. Data 4 is used to determine which phone number(s) is used when Dual or Split reporting is enabled and whether that communication event is recorded into the internal event log. Refer to the Data 1, 2, 3, and 4 listing below for more detail. ***Only Ademco High Speed and Contact I.D. are covered in this manual, for detail on other formats please refer to the nearest sales branch.***

**DATA 1** - When **Contact I.D.** is enabled, Data 1 is used to enable and or select the communicator code for the select communicator event. Program in Data 1 the required digit from appendix 1 (options 1 thru 15) to select the required Contact I.D. event report code. Not all communicator codes are programmable in this manner, and only require a "1" in Data 1 to enable the communicator event report. Refer to the individual communicator code location for further detail.

When **Ademco High Speed** is programmed, Data 1 is used to enable the communicator code for that event. Program a "1" to enable the communicator event and a "0" to disable the communicator event. This process is valid for all the communicator event other than Zones 1 thru 16 communicator event which are automatically enabled. The event report code is predefined when Ademco High Speed is selected and can only be enabled or disabled. However, Zones 1 thru 16 can have their Channel numbers changed in Data 3. Refer to the individual communicator code location for further detail.

**DATA 2** - When **Contact I.D.** is enabled, Data 2 is used to program the 10's digit of the point number. When **Ademco High Speed** is programmed, Data 2 is not used.

**DATA 3** - When **Contact I.D.** is enabled, Data 3 is used to program the 1's digit of the point number. When **Ademco High Speed** is programmed, Data 2 is used to program the channel number for Zones 1 thru 16.

**DATA 4** - Is used to select phone number (1 = "1"), phone number (2 = "2") , and the (internal log = "4") or any combination of three (3). When Dual or Split reporting is enabled in location 146 then the telephone number programmed in Data 4 for the select communicator event is used to report that event. If Dual or Split reporting is not enabled then program Data 4 to follow telephone number 1 for normal communicator event reporting. I.E. Report via telephone number 1 and if unsuccessful try telephone number 2. If no Telephone is selected for a given communicator event that communicator event will not be reported. If (internal log = "4") is enabled then each time that communicator event is reported it is also recorded into the internal event log for future reference on a LCD Code pad in the smart buss mode or via the download software. Note: The event log can only record communicator events when those communicator events are enabled to report. If the event log is required without communicator event reporting, then remove any telephone number selection from Data 4 and enable the communicator event in Data 1. Refer to the individual communicator code location for further details.

### **LOCATION 256-259: PROGRAMMING THE COMMUNICATOR CODE FOR ZONE 1**

Locations 256-259 are used to control the communicator code for zone 1. Zone 1 is automatically enabled and when contact I.D. is selected the default report is an event "130 - Burglary" with point "01" when in alarm. Refer to appendix 1 if a different event type is required. When using Ademco High Speed, Zone 1 is defaulted to report, a "1555 5555 7" when in alarm. Ademco High Speed is a predefined format and only the Channel number can be programmed in Data 3. The defaults are "3:0:1:5" with telephone number 1 and the event log enabled.

### **LOCATION 260-263: PROGRAMMING THE COMMUNICATOR CODE FOR ZONE 2**

Locations 260-263 are used to control the communicator code for zone 2. Zone 2 is automatically enabled and when contact I.D. is selected the default report is an event "130 - Burglary" with point "02" when in alarm. Refer to appendix 1 if a different event type is required. When using Ademco High Speed, Zone 2 is defaulted to report, a "5155 5555 7" when in alarm. Ademco High Speed is a predefined format and only the Channel number can be programmed in Data 3. The defaults are "3:0:2:5" with telephone number 1 and the event log enabled.

### **LOCATION 264-267: PROGRAMMING THE COMMUNICATOR CODE FOR ZONE 3**

Locations 264-267 are used to control the communicator code for zone 3. Zone 3 is automatically enabled and when contact I.D. is selected the default report is an event "130 - Burglary" with point "03" when in alarm. Refer to appendix 1 if a different event type is required. When using Ademco High Speed, Zone 3 is defaulted to report, a "5515 5555 7" when in alarm. Ademco High Speed is a predefined format and only the Channel number can be programmed in Data 3. The defaults are "3:0:3:5" with telephone number 1 and the event log enabled.

#### **LOCATION 268-271: PROGRAMMING THE COMMUNICATOR CODE FOR ZONE 4**

Locations 268-271 are used to control the communicator code for zone 4. Zone 4 is automatically enabled and when contact is selected the default report is an event "130 - Burglary" with point "04" when in alarm. Refer to appendix 1 if a different event type is required. When using Ademco High Speed, Zone 4 is defaulted to report, a "5551 5555 7" when in alarm. Ademco High Speed is a predefined format and only the Channel number can be programmed in Data 3. The defaults are "3:0:4:5" with telephone number 1 and the event log enabled.

#### **LOCATION 272-275: PROGRAMMING THE COMMUNICATOR CODE FOR ZONE 5**

Locations 272-275 are used to control the communicator code for zone 5. Zone 5 is automatically enabled and when contact I.D. is selected the default report is an event "130 - Burglary" with point "05" when in alarm. Refer to appendix 1 if a different event type is required. When using Ademco High Speed, Zone 5 is defaulted to report, a "5555 1555 7" when in alarm. Ademco High Speed is a predefined format and only the Channel number can be programmed in Data 3. The defaults are "3:0:5:5" with telephone number 1 and the event log enabled.

#### **LOCATION 276-279: PROGRAMMING THE COMMUNICATOR CODE FOR ZONE 6**

Locations 276-279 are used to control the communicator code for zone 6. Zone 6 is automatically enabled and when contact is selected the default report is an event "130 - Burglary" with point "06" when in alarm. Refer to appendix 1 if a different event type is required. When using Ademco High Speed, Zone 6 is defaulted to report, a "5555 5155 7" when in alarm. Ademco High Speed is a predefined format and only the Channel number can be programmed in Data 3. The defaults are "3:0:6:5" with telephone number 1 and the event log enabled.

#### **LOCATION 280-283: PROGRAMMING THE COMMUNICATOR CODE FOR ZONE 7**

Locations 280-283 are used to control the communicator code for zone 7. Zone 7 is automatically enabled and when contact I.D. is selected the default report is an event "130 - Burglary" with point "07" when in alarm. Refer to appendix 1 if a different event type is required. When using Ademco High Speed, Zone 7 is defaulted to report, a "5555 5515 7" when in alarm. Ademco High Speed is a predefined format and only the Channel number can be programmed in Data 3. The defaults are "3:0:7:5" with telephone number 1 and the event log enabled.

#### **LOCATION 284-287: PROGRAMMING THE COMMUNICATOR CODE FOR ZONE 8**

Locations 284-287 are used to control the communicator code for zone 8. Zone 8 is automatically enabled and when contact is selected the default report is an event "130 - Burglary" with point "08" when in alarm. Refer to appendix 1 if a different event type is required. When using Ademco High Speed, Zone 8 is defaulted to report, a "5555 5551 7" when in alarm. Ademco High Speed is a predefined format and only the Channel number can be programmed in Data 3. The defaults are "3:0:8:5" with telephone number 1 and the event log enabled.

#### **LOCATIONS 288-291: DURESS COMMUNICATOR CODES**

The 250 has the ability to report a duress code when the system is armed or disarmed with user code number 15 and a duress communicator code is enabled in Data 1. When contact I.D. is selected, program Data 1 with the required event code from appendix 1 to enable this report event. Programming a "10" in location Data 1 will report an event "121 - Duress". When using Ademco High Speed, program a one (1) in Data 1 to enable this report, a "1555 5555 1" Duress is reported. The Open/Close report will accompany the Duress report complete with the user number to indicate that an Open or Close was performed under Duress. A restore code is reported for this event. If Data 1 is a "0", the duress capability is disabled and user code number 15 can only be used as a standard arm/disarm code. The defaults are "0:0:0:5" with telephone number 1 and the event log enabled.

#### **LOCATIONS 292-295: CODE PAD AUXILIARY 1 ([1] & [3]) COMMUNICATOR CODES**

The 250 has the ability to report an auxiliary 1 code and activate the priority (fire) siren each time the [1] and [3] keys are pressed simultaneously on the Code Pad. The desired reporting code must be programmed into these locations. When contact I.D. is selected, program required event code from appendix 1 to enable this report event. Programming a "1" in Data 1 will report an event "110 - Fire". When using Ademco High Speed, program a one (1) in Data 1 to enable this report, a "1555 5555 1" Duress is reported. If activated, the siren can be silenced by entering any arm/disarm code. No restore code is reported for this event. If Data 1 is "0", the Auxiliary 1 double keypress is disabled. The defaults are "1:0:0:5" with telephone number 1 and the event log enabled.

### **LOCATIONS 296-299: CODE PAD AUXILIARY 2 ([4] & [6]) COMMUNICATOR CODES**

The 250 has the ability to report an auxiliary 2 code and activate the pulsing buzzer each time the [4] and [6] keys are pressed simultaneously on the Code Pad. The desired reporting code must be programmed into these locations. When contact I.D. is selected, program required event code from appendix 1 to enable this report event. Programming a "11" in Data 1 will report an event "100 - Medical". When using Ademco High Speed, program a one (1) in Data 1 to enable this report, a "1555 5555 1" Duress is reported. If activated, the code pad sounder may be silenced by entering any valid arm/disarm code. No restore code is reported for this event. If Data 1 is "0", the Auxiliary 2 double keypress is disabled. The defaults are "1:0:0:5" with telephone number 1 and the event log enabled.

### **LOCATIONS 300-303: CODE PAD PANIC ([\*] & [#]) COMMUNICATOR CODES**

The 250 has the ability to report a Code Pad panic code and activate the burglary siren (if not selected silent) each time the [\*] and [#] keys are pressed simultaneously on the Code Pad. The desired reporting code must be programmed into these locations. When contact I.D. is selected, program required event code from appendix 1 to enable this report event. Programming a "2" in Data 1 will report an event "120 - Code Pad Panic". When using Ademco High Speed, program a one (1) in Data 1 to enable this report, a "1555 5555 1" Duress is reported. If activated, the code pad sounder may be silenced by entering any valid arm/disarm code. No restore code is reported for this event. If Data 1 is "0", the Code pad panic double keypress is disabled. The defaults are "2:0:0:5" with Code pad panic communicator code, telephone number 1 and the event log enabled.

### **LOCATIONS 304-307: CODE PAD TAMPER COMMUNICATOR CODES**

The 250 has the ability to lock out the Code Pad for 1 minute if 30 or more key presses are made without producing a valid code. The desired communicator code must be programmed into these locations to enable this feature. When contact I.D. is selected, programming a "1" in Data 1 will report an event "137 - Code Pad Tamper". When using Ademco High Speed, program a one (1) in Data 1 to enable this report, a "5555 5551 7" Zone 8 alarm is reported. No restore code is reported for this event. If Data 1 is "0", the Code Pad Tamper is disabled. The defaults are "1:0:0:5" with telephone number 1 and the event log enabled.

### **LOCATIONS 308-311: AUTOMATIC TEST COMMUNICATOR CODES**

The 250 has the ability to send autotest reports to the base station at weekly intervals or hourly intervals from 1 to 99 hours apart. The desired communicator code must be programmed into these locations. When contact I.D. is selected, programming a "1" in Data 1 will report an event "602 - Auto test". When using Ademco High Speed, program a one (1) in Data 1 to enable this report, a "5555 5555 9" Auto Test. No restore code is reported for this event. If Data 1 is "0", Auto Test is disabled. The defaults are "0:0:0:5" with telephone number 1 and the event log enabled.

### **LOCATIONS 312-315: FAIL TO COMMUNICATE COMMUNICATOR CODES**

The 250 has the ability to report a failed to communicate code to the base station if a report fails to get through to the base in its predetermined number of dial attempts. After a report has failed to communicate to the base station the 250 will store a failed to communicate code. When the very next report is communicated to the base the failed to communicate report will be reported. When contact I.D. is selected, programming a "1" in Data 1 will report an event "354 - Failed to Communicate". When using Ademco High Speed, program a one (1) in Data 1 to enable this report, a "5555 5555 9" Auto Test. No restore code is reported for this event. If Data 1 is "0", Failed to Communicate is disabled. The defaults are "1:0:0:5" with telephone number 1 and the event log enabled.

### **LOCATIONS 316-319: BOX TAMPER COMMUNICATOR CODES**

The 250 has the ability to report a box tamper if the tamper input changes from a normally closed state to open circuit. The desired communicator code must be programmed into these locations. When contact I.D. is selected, programming a "1" in Data 1 will report an event "137 - Box Tamper". When using Ademco High Speed, program a one (1) in Data 1 to enable this report, a "5555 5555 9" Auto Test. If Data 1 is "0", Failed to Communicate is disabled. The defaults are "0:0:0:5" with telephone number 1 and the event log enabled.

### **LOCATIONS 320-323: AC POWER FAIL COMMUNICATOR CODES**

The 250 has the ability to report an AC power loss code to the base station after the power has been off for a selected number of minutes from 0 to 15 (see location 330). The desired communicator code must be programmed into these locations. When contact I.D. is selected, programming a "1" in Data 1 will report an event "301 - AC Power Fail". When using Ademco High Speed, program a one (1) in Data 1 to enable this report, a "1555 5555 6" AC Power Fail. If Data 1 is "0", AC Power Fail is disabled. The defaults are "1:0:0:5" with telephone number 1 and the event log enabled.

## **LOCATIONS 324-327: LOW BATTERY COMMUNICATOR CODES**

The 250 has the ability to report a low battery code to the base station when AC power has been lost and the battery has discharged down to 10.3 Volts. Low battery will also report if the dynamic battery test fails. The desired communicator code must be programmed into these locations. When contact I.D is selected, programming a "1" in Data 1 will report an event "302 -Low Battery" or "309- F Dynamic Battery Test". When using Ademco High Speed, program a one (1) in Data 1 to enable this report, a "5155 5555 6" L Battery and Fail Dynamic Battery Test. Note: A restore code will not be report for a "Dynamic Battery Fail" event, however, if "Dynamic Battery Fail" event code will be reported on every Dynamic Battery Test time until the battery problem is corrected. If Data 1 is "0", Low Battery is disabled. The defaults are "1:0:0:5" with telephone number 1 and the event log enabled.

### **COMMUNICATOR CODES**

*The following communicator code are programmed in one location only. When Contact I.D. or Ademco High Speed is selected then programming a "1" in the selected location will enable the communicator event report and a "1" will disable the communicator event report.*

## **LOCATION 328: AC POWER RESTORE COMMUNICATOR CODE**

The 250 has the ability to report to the base station when the AC power has been restored. Once the AC power has been restored to the 250, there will be a delay time before the restore code will be sent to the base station. The time programmed into location 328 for AC loss delay will also be the restore delay. Program a "1" into this location to enable AC power loss restore reports. Program a "0" into this location to disable restore reports. Default for AC power restore code is "1" enabled.

## **LOCATION 329: LOW BATTERY RESTORE COMMUNICATOR CODE**

The 250 has the ability to send a restore code to the base station when the battery voltage is restored to normal operating level (above 10.3 volts). Program a "1" into this location to enable low battery restore codes. Program a "0" into this location to disable low battery restore codes. Default for low battery restore code is "0" enabled.

## **LOCATION 331: RESERVED**

## **LOCATION 330: AC POWER FAIL REPORT DELAY**

The number programmed into location 330 represents the number of 1 minute increments the AC power is lost before communication is initiated, from 1 to 15 minutes. Factory default is "5" which will delay AC power loss for 5 minutes. The AC power restore if enabled in location 328, and will also delay reporting until after the number of minutes programmed in this location has elapsed. If a "0" is selected (instant) the delay will be approximately 20 seconds. This is to allow for transients and power surges. If one minute is selected the delay time will be 1 minute and 20 seconds etc...

## **LOCATION 332: RESTORE CODE FOR Zones 1-8**

Location 332 is used to program the Restore code for zones (1 thru 16), when Contact I.D and Ademco High Speed is selected. Note: Zone Restore codes can only be reported if Zones are enabled to report Restores in the "Zone Report / Special Characteristics" locations per individual zone. Default for Zone restore code is "1" enabled.

## **LOCATION 333: RESTORE CODE FOR Zones 9-16**

These locations should remain at factory default when Contact I.D and Ademco High Speed are selected.

## **LOCATION 334: ISOLATE CODE FOR Zones 1-8**

Location 334 is used to program reporting of the Isolate code for zones (1 thru 16), when Contact I.D and Ademco High Speed is selected. Note: Zone Isolate codes can only be reported if Zones are enabled to report Isolates in the "Zone Report / Special Characteristics" locations per individual zone. When contact I.D is selected, program a one (1) in this location to enable this report. An event "570 - Zone Isolate" will be reported. When using Ademco High Speed, program a one (1) in this location to enable the report. A one (1) will be displayed for the channel corresponding to the zone that is Isolated. EG, "5155 5555 3" will be reported for zone two (2). Default for Zone Isolate code is "1" enabled.

### **LOCATION 335: ISOLATE CODE FOR Zones 9-16**

These locations should remain at factory default when Contact I.D and Ademco High Speed are selected.

### **LOCATION 336: TROUBLE CODE FOR Zones 1-8**

Location 336 is used to program reporting of the Trouble code for zones (1 thru 16), when Contact I.D and Ademco High Speed is selected. The Trouble communicator code can be reported when a Fire zone is in Trouble alarm (Refer to zone types). When contact I.D is selected, program a one (1) in this location to enable this report, an event "380 - Zone Trouble" will be reported. When using Ademco High Speed, program a one (1) in this location to enable this report. A one (1) will be displayed for the channel corresponding to the zone that is in Trouble. EG, "5155 5555 5" will be reported for zone two (2). Default for Trouble code is enabled.

### **LOCATION 337: TROUBLE CODE FOR Zones 9-16**

These locations should remain at factory default when Contact I.D and Ademco High Speed are selected.

### **LOCATION 338: ZONE TAMPER CODE FOR Zones 1-8**

Location 338 is used to program reporting of the Zone Tamper code for zones (1 thru 16), when Contact I.D and Ademco High Speed is selected. The Zone Tamper communicator code can be reported when a Double End Of Line Zone is in an Open/Closed circuit condition (Refer to "zone reporting / special characteristics"). When contact I.D is selected, program a one (1) in this location to enable this report, an event "137 - General Tamper" or program a two (2) in this location to enable this report, an event "14 - Sensor Tamper". When using Ademco High Speed, program a one (1) in this location to enable this report. A one (1) will be displayed for the channel corresponding to the zone that is in Tamper. EG, "5155 5555 5" will be reported for zone two (2). Default for Trouble code is "1" enabled.

### **LOCATION 339: TAMPER CODE FOR Zones 9-16**

These locations should remain at factory default when Contact I.D and Ademco High Speed are selected.

### **LOCATION 340: OPENING COMMUNICATOR CODE**

The 250 has the ability to report an opening code each time the control is disarmed. The desired opening code is programmed in location 340. To enable this communicator code report when Contact I.D or Ademco High Speed is selected, program a one (1) in this location. Default for Opening code is "0" disabled.

### **LOCATION 341: CLOSING COMMUNICATOR CODE**

The 250 has the ability to report a closing code each time the control is armed. The desired closing code is programmed in location 341. If this location contains a "0" closing will not be reported. When using Ademco high speed or contact I.D formats a "1" programmed into this location to enable closing reports. Default for Closing code is "0" disabled.

### **LOCATION 342: OPENING/CLOSING PHONE SELECTOR**

If a phone number other than phone #1 is desired, I.E. for dual or split reporting. A binary number must be programmed into this location. This is derived by adding a "1" for phone #1, a "2" for phone #2 and a "4" for the internal log. Factory default is "5" which causes open/closing to report on phone #1 and internal log if the communicator event is enabled.

### **LOCATION 343: PROGRAMMING THE COMMUNICATOR CODE FOR CANCEL (EXCEPTION OPENING)**

Location 343 contains the communicator code that will be sent for cancel. The cancel code programmed in this location will be sent if an arm/disarm code is entered after an alarm on zones 1 through 16 has been reported (excluding 24 hour zones). After a cancel has been reported, no zone restores will be transmitted on non-24 Hour zones. When contact I.D is selected, program a one (1) in this location to enable this report, the event code "406" will be reported, followed by an opening event with the user code number used. When using Ademco High Speed, program a one (1) in this location to enable this report, the opening event will be reported with the user code number used. This feature can not be enabled when Open/Close reporting is also enabled. If this location contains a "0", cancel is disabled.

## **COMMUNICATOR CODES**

*The following communicator codes are programmed in four locations. I.E. Data 1, 2, 3 and 4 (refer to page 2). When Cont. I.D. or Ademco High Speed is selected then programming a "1" in Data 1 for the selected location will enable the communicator event report and a "0" will disable the communicator event report.*

### **LOCATIONS 344-347: LATE TO CLOSE COMMUNICATOR CODE**

The 250 has the ability to report a late closing code to the base station, when these locations are programmed and a closing time has been programmed into locations 368-371. When contact I.D is selected, programming a "1" in Data 1 will report an event "40 Late To Close". When using Ademco High Speed, program a one (1) in Data 1 to enable this report, a "5555 5555 9" Auto Test. No restore code is reported for this event. If Data 1 is "0", Late To Close Communicate code is disabled. The defaults are "0:0:0" with telephone number 1 and the event log enabled.

### **LOCATIONS 348-351: EARLY OPENING COMMUNICATOR CODE**

The 250 has the ability to report an early opening code to the base station, when these locations are programmed and an opening time has been programmed into locations 364-367. When contact I.D is selected, programming a "1" in Data 1 will report an event "400 - Early Open". When using Ademco High Speed, program a one (1) in Data 1 to enable this report, a "5555 5555 9" Auto Test. No restore code is reported for this event. If Data 1 is "0", Early Open Communicate code is disabled. The defaults are "0:0:0:5" with telephone number 1 and the event log enabled.

### **LOCATIONS 352-355: DOWNLOAD COMPLETE COMMUNICATOR CODES**

Location 352-355 contains the communicator report sent each time a download session has been completed. The report will come in after a disconnect has been made from a downloading session. When contact I.D is selected, programming a "1" in Data 1 will report an event "412 - Download Complete Code". When using Ademco High Speed, program a one (1) in Data 1 to enable this report, a "5555 1555 6" Auto Test. No restore code is reported for this event. If Data 1 is "0", Download Complete Code is disabled. The defaults are "0:0:0:5" with telephone number 1 and the event log enabled.

### **LOCATIONS 356-359: AUTOMATIC ARM COMMUNICATOR CODES**

Location 356-359 contains the communicator report sent each time the 250 is auto armed. When contact I.D is selected, programming a "1" in Data 1 will report an event "403 - Auto Arm". When using Ademco High Speed, program a one (1) in Data 1 to enable this report, a "B444 4444 4" User 11 Closing. If Data 1 is "0", Failed to Communicate is disabled. The defaults are "0:0:0:5" with telephone number 1 and the event log enabled. A time must also be entered into locations 368-371.

### **LOCATIONS 360-363: CODE PAD AUXILIARY 3 (7+9) COMMUNICATOR CODES**

The 250 will report an Aux 3 code and activate the steady buzzer output each time the [7] and [9] keys are pressed simultaneously on the Code Pad. The desired code must be programmed in these locations. When contact I.D is selected, program required event code from appendix 1 to enable this report event. Programming a "14" in Data 1 will report an event "602 - Auto Test". When using Ademco High Speed, program a one (1) in Data 1 to enable this report, a "5555 5555 9" Auto Test is reported. No restore code is reported for this event. If Data 1 is "0", the Auxiliary 3 double keypress is disabled. The defaults are "0:0:0:5" with telephone number 1 and the event log enabled.

### **LOCATIONS 364-367: EARLY OPENING TIME**

The Early Opening Time is used to determine the opening time, I.E. If a user was to access the 250 before this time, then it would be seen as an early opening. User code with authorisation restriction such as "Arm Only After Closing Time" can not Disarm the 250 before the Early Opening Time. The Early Opening Time also marks the time the Intelligent Auto Arming feature stops attempting to auto arm the 250. To enable the early opening report feature a 4 digit, 24 hour (military) opening time must be entered in locations 364-367. For example, to enter an opening time of 8:15 A.M (08:15), program a "0" in location 364, a "8" in location 365, a "1" in location 366, and a "5" in location 367. Factory default is a "0-6-0-0" which sets an opening time of 6:00 A.M **NOTE:** communicator code must be programmed in location(s) 344-347 if this feature is selected.

### **LOCATIONS 368-371: LATE CLOSING/AUTO ARMING TIME**

The Late Closing/Auto Arming Time is used to determine the Closing time, I.E. If a user was to Arm the 250 after this time, they would be seen as a Late Closing. User code with authorisation restriction such as "Arm Only After Closing Time" can not Disarm the 250 After the Late Closing/Auto Arming Time. Late Closing/Auto Arming Time also marks the time the Intelligent Auto Arming feature attempts to auto arm the 250, if this feature is enabled in location 374.. To enable the late closing report a 4 digit, 24 hour closing time must be entered in locations 368-371. For example, to enter a closing time of 6:30 PM (1830), program a "1" in location 368, a "8" in location 369, a "3" in location 370 and an "0" in location 371. Factory default is an "2-0-0-0" which sets a closing time of 8 P.M. **NOTE:** A communicator code must be entered in location(s) 348-351 if this feature is selected.

### **LOCATION 372: CLOSED SATURDAY ENABLE**

A "1" should be programmed in location 372 if the 250 will be closed on Saturdays and early opening or late to close features have been enabled. A "1" will cause the early to open report to be communicated in the event an opening is made on Saturday. User codes with authorisation restriction such as "Arm Only After Closing Time" can not Disarm the 250 on a Saturday if the feature is enabled. Factory default is "0" and openings are allowed on Saturday within the assigned schedule without creating a report.

### **LOCATION 373: CLOSED SUNDAY ENABLE**

A "1" should be programmed in location 373 if the 250 will be closed on Sundays and early opening or late to close features have been enabled. A "1" will cause a report to be communicated in the event of a late closing after an opening. User codes with authorisation restriction such as "Arm Only After Closing Time" can not Disarm the 250 on a Sunday if the feature is enabled. Factory default is "0" and openings are allowed on Sunday with the assigned schedule without creating a report.

### **LOCATION 374: EARLY OPENING - LATE CLOSING / AUTO ARMING ENABLE**

To enable the early opening/ late closing feature program a "1" into this location. A time must be programmed into locations 364-367 early open time and also locations 368-371 late close/autoarm time. To enable the auto arm feature program a "2" into this location. A time must be programmed into locations 368-371. The automatic arming feature will arm the 250 at the selected time. At that time if all zones have been secure for 5 minutes the buzzer will start beeping. One minute later, if the buzzer is not silenced by the entry of a valid user code, the 250 will autoarm. If the buzzer is silenced, the 250 will start a 40 minute timer. After the 40 minutes have timed. The 250 will repeat the sequence of autoarming after 5 minutes of all zones being secure. If the 250 is disarmed after the closing time, the autoarm timer will be set to a 40 minute window. The 250 will only stop attempting to auto arm at the opening time programmed in locations 364-367. Default is "0" Early Opening - Late Closing / Auto Arming disabled.

| VALUE | EARLY OPENING \ AUTOARM ENABLE                                |
|-------|---------------------------------------------------------------|
| 0     | ALL FEATURES DISABLED                                         |
| 1     | EARLY OPENING \ LATE TO CLOSE REPORTING                       |
| 2     | AUTOARMING ENABLED                                            |
| 3     | EARLY OPENING \ LATE TO CLOSE REPORTING<br>AUTOARMING ENABLED |

### **LOCATION 375: AUTO CALLBACK ENABLE**

This feature is used for the automatic download found in the "DASLOAD" download software. Programming a "1" in location 375 will cause the control panel to automatically call the download computer callback number at every autotest interval. This feature will activate unless a callback phone number has been programmed in locations 472-487, and a "2" is programmed in location 488 the 250 download section.

### **LOCATION 376: RESERVED**

### **LOCATION 377: WEEKLY AUTO TEST ENABLE**

Location 377 is used to select the day of the week, in which an autotest report will occur. Program a number from 1 (Sunday) to 7 (Saturday) for the day of the week to perform the autotest. The test will be performed at the hour specified in locations 380-383. The default is "0" and Autotests will be performed on an hourly interval based on the settings of locations 378 - 379. Note: The Autotest communicator code must be enabled in locations 308-311 for Autotest to report.

### **LOCATIONS 378-379: HOURLY AUTOTEST INTERVAL**

Locations 378 - 379 are used to set the hourly autotest interval. Hourly autotests are disabled if there are autotest day intervals programmed in location 377. Programmed in these locations is the number of hours 1 - 99 between autotest reports. To determine when the first Auto Test will be reported, locations 382-383 "Number of elapsed hours since last autotest" must be set. The minutes setting for this Auto Test report can be programmed in locations 382-383. Factory default is "2"-4". Note: The Autotest communicator code must be enabled in locations 308-311 for Autotest to report.

### **LOCATION 380-383: TIME TO PERFORM AUTOTEST**

In these locations you program the time that you want the autotest to report. The time must be entered in a 24 hour (military) format. For example, if the autotest time will be 23:50 the location 380 contains a "2", location 381 contains a "3", location 382 contains a "50" and location 383 contains a "0". If an autotest time of midnight is required then set these locations to 00:00. The minutes location (382-383) will be used to determine the minutes setting when Hourly Auto Test is used in locations 378-379. Factory default is "02:00". Note: The Autotest communicator code must be enabled in locations 308-311 for Autotest to report.

### **LOCATION 384: NUMBER OF EXPANSION DEVICES**

Location 384 is programmed with the number of expansion devices that may be connected to the 250. A total of seven (7) expansion devices can be connected to the 250, therefore, to connect 2 expansion devices to the 250 a "2" must be programmed into this location. When expansion devices are used, the 250 will automatically switch to the Smart Buss mode. This means that the standard 8 Zone LED code pad can not be used with this system, the Smart 8 Zone LED or LCD code pads must be used. If a "8" is programmed in this location, the 250 will switch to the Smart Buss mode without requiring to see expansion devices. This feature is used when the features of the Smart buss are required (such as viewing the event log and change the panel clock via the LCD code pad and other Smart Buss related features) without the programming of partitions or expansion devices. Note: expansion devices include; Wireless zone expander; 8 way relay board; 16 way aux board; X10 interface; Printer interface; Telephone control interface; System event interface. Factory default is "0" no devices enabled.

### **LOCATION 385: EXPANDER TROUBLE COMMUNICATOR CODE**

Location 385 is used to program reporting Trouble communicator code for expander devices (1 thru 7), when Contact I.D. is selected. The Expander Trouble communicator code can be reported when an expansion device does not respond to the 250 after a short period of time. When contact I.D. is selected, program a one (1) in this location to enable this report. An event "333 - Expander Trouble" will be reported. When using Ademco High Speed, program a one (1) in Data 1 to enable this report, a "5555 5555 9" Auto Test is reported. Default for Expander Trouble code is "0" disabled.

### **LOCATION 385: EXPANDER TROUBLE PHONE SELECTOR**

If a phone number other than phone #1 is desired, I.E. for dual or split reporting. A binary number must be programmed into this location. This is derived by adding a "1" for phone #1, a "2" for phone #2 and a "4" for the internal log. Factory default is "5" which causes Expander Trouble to report on phone #1 and internal log if the communicator event is enabled.

### **LOCATION 385: EXPANDER TROUBLE RESTORE COMMUNICATOR CODE**

The 250 has the ability to report to the base station when an expander device has been restored. Once the expander device has been restored to the 250, there will be a short delay time before the restore code will be sent to the base station. Program a "1" in this location to enable expander device restore reports. Program a "0" into this location to disable restore reports. Default for expander device code is "0" disabled.

### **LOCATIONS 388-395: PROGRAMMING THE ZONE TYPES FOR ZONES 9-16**

Locations 388 through 395 contain a number identifying the characteristics of zones 9 through 16. Location 388 corresponds to zone 9 and location 395 corresponds to zone 16. These zones have been factory defaulted to instant (6) zone types. Other zone characteristics can be found in the table on this page.

| DATA | AVAILABLE ZONE TYPES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| "1"  | <b>DAY ZONE</b> - When armed, a trip produces an instant alarm. When disarmed, a trip activates the code pad sounder.                                                                                                                                                                                                                                                                                                                                                                                                                      |
| "2"  | <b>24 HOUR</b> - A trip on a 24 Hour zone produces an instant alarm when armed or disarmed.                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| "3"  | <b>ENTRY/EXIT</b> - A trip will start entry delay. The lack of a trip during exit delay will enable the <b>Auto Home</b> mode if so programmed.                                                                                                                                                                                                                                                                                                                                                                                            |
| "4"  | <b>INTERIOR DELAY</b> - A trip on Interior Delay zone will initiate an entry delay. It will be ignored during exit delay and when disarmed. This zone type is used with the "Auto home/Instant" mode.                                                                                                                                                                                                                                                                                                                                      |
| "5"  | <b>HANDOVER</b> - Interior zone that follows delay zones. It can be bypassed before arming, or automatically bypassed in the "Auto home /Instant" mode if so programmed.                                                                                                                                                                                                                                                                                                                                                                   |
| "6"  | <b>INSTANT</b> - Produces an instant alarm if tripped when armed. Ignored when disarmed.                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| "7"  | <b>SECONDARY DELAY</b> - Like an Entry/Exit zone but has its own independent delay time.                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| "8"  | <b>FIRE</b> - A short on a FIRE zone will create an alarm condition when the 250 is armed or disarmed. An open will create a <b>Trouble</b> condition. The code pad zone LED is steady for a fire condition and flashing for a trouble condition. After a fire activation the # key must be pressed on the keypad to clear the condition and reset the fire zone.                                                                                                                                                                          |
| "9"  | <b>KEY SWITCH</b> - A zone attached to a momentary key switch will cause the 250 to arm or disarm when the zone is momentarily shorted from a sealed condition I.E. a 3.3K resister must be used to seal the zone for the feature to work. NOTE: Check the corresponding "Special Characteristics" for the selected Zone, If the zone programmed to operate as a key switch type also has Partial Arm (Entry Guard) selected, I.E. a "4" in "Special Characteristics" then the key switch will then arm/disarm Partial Mode (Entry Guard). |

#### **LOCATIONS 396-403: ASSIGNING SPECIAL CHARACTERISTICS FOR ZONES 9-16**

Locations 396-403 are used to assign zone characteristics for zones 9 through 16. Location 396 is for zone 9 and location 403 for zone 16. Each zone can have any or all of the following characteristics regardless of the zone type selected in locations 388-395, excluding Fire zones, which cannot be Isolated. Factory default is "12" for each of these locations, meaning that Zone Isolate Capability & Partial Arm is enabled, and the other characteristics are not enabled. When Partial Arm (Entry Guard) is enabled, the zone is monitored in Partial mode. Remove this option from the zone(s) which are to be isolated in Partial mode. Note: zone will not isolate in partial mode or group isolate if (8) Zone Isolate Capability is not enabled.

| VALUE | CHARACTERISTIC                                                                   | VALUE | CHARACTERISTIC                                                                                              |
|-------|----------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------------------------------------------|
| 0     | NOFEATURESELECTED                                                                | 8     | ZONE ISOLATE CAPABILITY                                                                                     |
| 1     | FAST LOOP RESPONSE (200MS)                                                       | 9     | FAST LOOP RESPONSE (200MS)<br>ZONE ISOLATE CAPABILITY                                                       |
| 2     | GROUP ISOLATE ZONE                                                               | 10    | GROUP ISOLATE ZONE<br>ZONE ISOLATE CAPABILITY                                                               |
| 3     | FAST LOOP RESPONSE (200MS) GROUP<br>ISOLATE ZONE                                 | 11    | FAST LOOP RESPONSE (200MS)<br>GROUP ISOLATE ZONE<br>ZONE ISOLATE CAPABILITY                                 |
| 4     | PARTIAL ARM ZONE (Monitored)                                                     | 12    | PARTIAL ARM ZONE (Monitored)<br>ZONE ISOLATE CAPABILITY                                                     |
| 5     | FAST LOOP RESPONSE (200MS)<br>PARTIAL ARM ZONE (Monitored)                       | 13    | FAST LOOP RESPONSE (200MS)<br>PARTIAL ARM ZONE (Monitored)<br>ZONE ISOLATE CAPABILITY                       |
| 6     | GROUP ISOLATE ZONE<br>PARTIAL ARM ZONE (Monitored)                               | 14    | GROUP ISOLATE ZONE<br>PARTIAL ARM ZONE (Monitored)<br>ZONE ISOLATE CAPABILITY                               |
| 7     | FAST LOOP RESPONSE (200MS)<br>GROUP ISOLATE ZONE<br>PARTIAL ARM ZONE (Monitored) | 15    | FAST LOOP RESPONSE (200MS)<br>GROUP ISOLATE ZONE<br>PARTIAL ARM ZONE (Monitored)<br>ZONE ISOLATE CAPABILITY |

#### **LOCATIONS 404-411: ASSIGNING AUDIBLE CHARACTERISTICS FOR Zones 9-16.**

Locations 404-411 are used to assign the audible characteristics of zones 9 through 16. Location 404 is for zone 9 and location 411 is for zone 16. Each zone can have one, or a combination of the following audible characteristics. To determine the appropriate audible characteristics for these locations, refer to the chart below and add the sum of the corresponding values to arrive at the correct audible characteristic.

data for these locations. For all zones the factory default is "1". This means that zones 9-16 will create a yelp siren output when alarm is created. NOTE: If a **Fire** zone type is selected in locations 388-395, standard fire zone characteristics will override a selection made for a zone in this section I.E. a steady siren will be generated for a short circuit and a code pad sounder for an open circuit. Zones with a steady siren characteristic will override zones with a yelp siren characteristic. If a chime zone is selected, refer to locations 213 and 214 for more detail.

| VALUE | AUDIBLE CHARACTERISTICS                          | VALUE | AUDIBLE CHARACTERISTICS                                           |
|-------|--------------------------------------------------|-------|-------------------------------------------------------------------|
| 0     | SILENT ZONE                                      | 8     | CHIME FEATURE                                                     |
| 1     | YELP SIREN AUDIBLE                               | 9     | YELP SIREN AUDIBLE<br>CHIME FEATURE                               |
| 2     | STEADY SIREN AUDIBLE                             | 10    | STEADY SIREN AUDIBLE<br>CHIME FEATURE                             |
| 4     | CODE PAD SOUNDER AUDIBLE                         | 12    | CODE PAD SOUNDER AUDIBLE<br>CHIME FEATURE                         |
| 5     | YELP SIREN AUDIBLE<br>CODE PAD SOUNDER AUDIBLE   | 13    | YELP SIREN AUDIBLE<br>CODE PAD SOUNDER AUDIBLE<br>CHIME FEATURE   |
| 6     | STEADY SIREN AUDIBLE<br>CODE PAD SOUNDER AUDIBLE | 14    | STEADY SIREN AUDIBLE<br>CODE PAD SOUNDER AUDIBLE<br>CHIME FEATURE |

#### **LOCATIONS 412-419: REPORTING / SPECIAL CHARACTERISTICS FOR Zones 9-16**

Locations 412-419 are used to assign communicator characteristics to individual zones 9 through 16. Location 412 is for zone 9 and location 419 is for zone 16. Each zone can have one, or a combination of these characteristics. Factory default for all zones is (1 + 2 = "3"). This means that each zone has **Restore Reporting (Value = 1)**, **Isolate Reporting (Value = 2)** enabled. It should be noted that these locations are used to enable individual zone report capability by zone. A reporting code must be programmed in the appropriate location to enable overall reporting capability of **Restore** reports (location 332) **Isolate** reports (location 333) Double EOL tamper and Twin trip zone 1 through 8 are also enabled in these locations. Program Double EOL (Value = 4) and Twin trip (Value = 8) to enable these features. **Double EOL Tamper** reports are selected in location 338.

| VALUE | REPORTING / SPECIAL CHARACTERISTICS                         | VALUE | REPORTING / SPECIAL CHARACTERISTICS                                             |
|-------|-------------------------------------------------------------|-------|---------------------------------------------------------------------------------|
| 0     | NO FEATURE SELECTED                                         | 8     | TWIN TRIP ENABLE                                                                |
| 1     | RESTORE REPORTING                                           | 9     | RESTORE REPORTING<br>TWIN TRIP ENABLE                                           |
| 2     | ISOLATE REPORTING                                           | 10    | ISOLATE REPORTING<br>TWIN TRIP ENABLE                                           |
| 3     | RESTORE REPORTING<br>ISOLATE REPORTING                      | 11    | RESTORE REPORTING<br>ISOLATE REPORTING<br>TWIN TRIP ENABLE                      |
| 4     | DOUBLE EOL ENABLE                                           | 12    | DOUBLE EOL REPORTING<br>TWIN TRIP ENABLE                                        |
| 5     | RESTORE REPORTING<br>DOUBLE EOL ENABLE                      | 13    | RESTORE REPORTING<br>DOUBLE EOL ENABLE<br>TWIN TRIP ENABLE                      |
| 6     | ISOLATE REPORTING<br>DOUBLE EOL ENABLE                      | 14    | ISOLATE REPORTING<br>DOUBLE EOL ENABLE<br>TWIN TRIP ENABLE                      |
| 7     | RESTORE REPORTING<br>ISOLATE REPORTING<br>DOUBLE EOL ENABLE | 15    | RESTORE REPORTING<br>ISOLATE REPORTING<br>DOUBLE EOL ENABLE<br>TWIN TRIP ENABLE |

#### **TWIN TRIP:**

A twin trip zone requires two trips within the time programmed in location 191 or a continuous trip for more than ten seconds for alarm activation. If a single trip on a twin trip zone was initiated, an alarm would only occur if any other zone has been in alarm or any other zone is tripped within the delay time set in location 191. The 250 may have a combination of an audible alarm or code pad sounder after the first trip, but before the second trip, the twin trip sounder control is programmed in location 191. Reporting can only occur after the full alarm activation. Default for these locations will be "3" Restore + Isolate Reporting. No Entry/Exit zone types can NOT be set for twin trip zones.

#### **COMMUNICATOR CODES**

*The following communicator codes are programmed in four locations. I.E. Data 1, 2, 3 and 4 (refer to page 2). When Cont*

*I.D. or Ademco High Speed is selected then programming a "1" in Data 1 for the selected location will enable the communicator event report and a "0" will disable the communicator event report.*

#### **LOCATION 420-423: PROGRAMMING THE COMMUNICATOR CODE FOR ZONE 9**

Locations 420-423 are used to control the communicator code for zone 9. Zone 9 is automatically enabled and When contact is selected the default report is an event "130 - Burglary" with point "09" when in alarm. Refer to appendix 1 if a different event type is required. When using Ademco High Speed, Zone 9 is defaulted to report, a "1555 5555 7" when in alarm. Ademco High Speed is a predefined format and only the Channel number can be programmed in Data 3. The defaults are "3:0:9:5" with telephone number 1 and the event log enabled.

#### **LOCATION 424-427: PROGRAMMING THE COMMUNICATOR CODE FOR ZONE 10**

Locations 424-427 are used to control the communicator code for zone 10. Zone 10 is automatically enabled and When contact is selected the default report is an event "130 - Burglary" with point "10" when in alarm. Refer to appendix 1 if a different event type is required. When using Ademco High Speed, Zone 10 is defaulted to report, a "5155 5555 7" when in alarm. Ademco High Speed is a predefined format and only the Channel number can be programmed in Data 3. The defaults are "3:1:0:5" with telephone number 1 and the event log enabled.

#### **LOCATION 428-431: PROGRAMMING THE COMMUNICATOR CODE FOR ZONE 11**

Locations 428-431 are used to control the communicator code for zone 11. Zone 11 is automatically enabled and When contact is selected the default report is an event "130 - Burglary" with point "11" when in alarm. Refer to appendix 1 if a different event type is required. When using Ademco High Speed, Zone 11 is defaulted to report, a "5515 5555 7" when in alarm. Ademco High Speed is a predefined format and only the Channel number can be programmed in Data 3. The defaults are "3:1:1:5" with telephone number 1 and the event log enabled.

#### **LOCATION 432-435: PROGRAMMING THE COMMUNICATOR CODE FOR ZONE 12**

Locations 432-435 are used to control the communicator code for zone 12. Zone 12 is automatically enabled and When contact is selected the default report is an event "130 - Burglary" with point "12" when in alarm. Refer to appendix 1 if a different event type is required. When using Ademco High Speed, Zone 12 is defaulted to report, a "5551 5555 7" when in alarm. Ademco High Speed is a predefined format and only the Channel number can be programmed in Data 3. The defaults are "3:1:2:5" with telephone number 1 and the event log enabled.

#### **LOCATION 436-439: PROGRAMMING THE COMMUNICATOR CODE FOR ZONE 13**

Locations 436-439 are used to control the communicator code for zone 13. Zone 13 is automatically enabled and When contact is selected the default report is an event "130 - Burglary" with point "13" when in alarm. Refer to appendix 1 if a different event type is required. When using Ademco High Speed, Zone 13 is defaulted to report, a "5555 1555 7" when in alarm. Ademco High Speed is a predefined format and only the Channel number can be programmed in Data 3. The defaults are "3:1:3:5" with telephone number 1 and the event log enabled.

#### **LOCATION 440-443: PROGRAMMING THE COMMUNICATOR CODE FOR ZONE 14**

Locations 440-443 are used to control the communicator code for zone 14. Zone 14 is automatically enabled and When contact is selected the default report is an event "130 - Burglary" with point "14" when in alarm. Refer to appendix 1 if a different event type is required. When using Ademco High Speed, Zone 14 is defaulted to report, a "5555 5155 7" when in alarm. Ademco High Speed is a predefined format and only the Channel number can be programmed in Data 3. The defaults are "3:1:4:5" with telephone number 1 and the event log enabled.

#### **LOCATION 444-447: PROGRAMMING THE COMMUNICATOR CODE FOR ZONE 15**

Locations 444-447 are used to control the communicator code for zone 15. Zone 15 is automatically enabled and When contact is selected the default report is an event "130 - Burglary" with point "15" when in alarm. Refer to appendix 1 if a different event type is required. When using Ademco High Speed, Zone 15 is defaulted to report, a "5555 5515 7" when in alarm. Ademco High Speed is a predefined format and only the Channel number can be programmed in Data 3. The defaults are "3:1:5:5" with telephone number 1 and the event log enabled.

#### **LOCATION 448-451: PROGRAMMING THE COMMUNICATOR CODE FOR ZONE 16**

Locations 448-451 are used to control the communicator code for zone 16. Zone 16 is automatically enabled and When contact is selected the default report is an event "130 - Burglary" with point "16" when in alarm. Refer to appendix 1 if a different event type is required. When using Ademco High Speed, Zone 16 is defaulted to report, a "5555 5551 7" when in alarm. Ademco High Speed is a predefined format and only the Channel number can be programmed in Data 3. The defaults are "3:1:6:5" with telephone number 1 and the event log enabled. Note: The Autotest communicator code must be enabled in locations 308-311 for Autotest to report.

#### **LOCATIONS 452-453: NUMBER OF ELAPSED HOURS SINCE LAST AUTOTEST**

Locations 452-453 sets the number of elapsed hours since the last auto test and is only used in conjunction with the "Hourly autotest interval" feature in locations 378-379. EG If you want the Autotest to be reported at 01:30 AM every 24 hours and the current time is 12:50 PM. First program the hourly intervals I.E. program locations 378-379 (HOURLY AUTOTEST INTERVAL) with a "2" in location 378 and a "4" in location 379 for 24 hour reporting. Secondly program the minutes of the hour that the Autotest will report I.E. program locations 382-383 (TIME TO PERFORM AUTOTEST) with a "3" in location 382 and a "0" in location 383 to report the 30th minute of the selected hour. Then Lastly program these location with the elapsed hours since the last Autotest, I.E. if current time is 12:50PM and the Auto test time required is 01:30AM then there has been 11 hours elapsed since 01:30AM. Therefore program a "1" in location 452 and a "1" in location 453.

#### **LOCATION 454: PROGRAMMING CURRENT DAY OF WEEK**

A number from 1 to 7 is programmed in this location to indicate the current day of the week. If the day is Monday program a "2" in this location. If the day is Friday, program a "6" in this location. Sunday = "1" and Saturday = "7".

#### **LOCATION 455: PROGRAMMING THE CURRENT MONTH**

Location 455 contains the current month. The month must be programmed using a number from "1" to "12".

#### **LOCATION 456: PROGRAMMING THE CURRENT DAY OF MONTH TENS DIGIT**

Location 456 should be programmed with the first digit of the current day of the month. If the current date is December 25th, program a "2" in location 456.

#### **LOCATION 457: PROGRAMMING THE CURRENT DAY OF MONTH ONES DIGIT**

Location 457 should be programmed with the second digit of the current day of the month. If the current date is December 25 program a "5" in location 457.

#### **LOCATION 458: PROGRAMMING THE CURRENT YEAR - TENS DIGIT**

Location 458 contains the current year - tens digit. If the current year is 1996, this location should contain a 9, which is the tens digit of the current year.

#### **LOCATION 459: PROGRAMMING THE CURRENT YEAR - ONES DIGIT**

Location 459 contains the current year - ones digit. If the current year is 1995, this location should contain a "5", which is the ones digit of the current year. If the current year is 1997, this location should contain a "7", the ones digit of the current year.

#### **LOCATION 460: PROGRAMMING THE CURRENT HOUR - TENS DIGIT**

Location 460 contains the current hour - tens digit. The time is entered in 24 hour time. If the current time is 5:25 PM, the 24 hour time is 17:25, so this location should contain a "1", which is the current hour - tens digit. If the current time is 9:36 am, the 24 hour time is 09:36, so this location should contain a "0".

#### **LOCATION 461: PROGRAMMING THE CURRENT HOUR - ONES DIGIT**

Location 461 contains the current hour - ones digit. The time is entered in 24 hour time. If the current time is 5:25 pm, the 24 hour time is 17:25, so location 461 should contain a "7", which is the current hours - tens digit. If the current time is 9:36 am, the 24 hour time is 09:36, so this location should contain a "9".

#### **LOCATION 462: PROGRAMMING THE CURRENT MINUTES - TENS DIGIT**

Location 462 contains the current minutes - tens digit. The time is entered in 24 hour time. If the current time is 5:25 pm, the hour time is 17:25, so location 462 should contain a "2", which is the current minutes - tens digit. If the current time is 9:36 am, the 24 hour time is 09:36, and this location should contain a "3".

#### **LOCATION 463: PROGRAMMING THE CURRENT MINUTES - ONES DIGIT**

Location 463 contains the current minutes - ones digit. The time is entered in 24 hour time. If the current time is 5:25 pm, the hour time is 17:25, so this location should contain a "5", which is the current minutes - ones digit. If the current time is 9:36 am, the 24 hour time is 09:36 and this location should contain a "6".

### **THE FOLLOWING LOCATIONS ARE ACCESSIBLE ONLY THROUGH DOWNLOADING**

#### **LOCATIONS 000-007: CONTROL PANEL ACCESS CODE**

Locations 000-007 contain the eight digit access code the 250 must receive from the downloading software before the panel will permit downloading to occur. The factory default code is listed in the instructions provided with the DAS download software package.

#### **LOCATIONS 008-023: CALL BACK TELEPHONE NUMBER**

If a telephone number is programmed into these locations, and "callback" is enabled in location 024, the control panel will hang for approximately 36 seconds (insuring that the calling party has disconnected), and then call back. If tone dialling is desired, program an "F" in location 008. Four second delays can be obtained anywhere in the sequence by programming a "D" in the appropriate delay location. **WARNING: THE CALLBACK PHONE NUMBER SHOULD ALWAYS BE REVIEWED FOR ACCURACY BEFORE DISCONNECTING.**

#### **LOCATION 024: CALL BACK OPTIONAL FEATURES**

The number programmed in location 024 will set the callback options for the control panel. Any or all of the features below can be obtained by programming the appropriate data in this location. The correct data can be obtained by **ADDING** the values of the corresponding characteristics from the table below (possible values are 0 to 7).

| VALUE | CHARACTERISTIC                                                                                                                                         |
|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1     | Panel will automatically callback for download session.                                                                                                |
| 2     | Site initiated download call by entering [*][9][8][#] at Code Pad, and/or automatic callback if a "1" is programmed in the control panel location 375. |
| 4     | Panel will automatically callback when the event log is full.                                                                                          |

#### **LOCATION 025: LOCAL PROGRAMMING LOCKOUT**

Location 025 is used to disable local programming lockout. If a "5" is programmed in this location, all local programming is locked out. If an "A" is programmed in this location, all programming functions related to the digital communicator will be locked out. Any other number in location 489 will allow all local programming.

#### **LOCATION 026: CONTROL PANEL SHUTDOWN**

Location 026 is used to shut down the control panel. Programming an "A" in this location will completely shutdown the control panel. The Code Pad will appear "dead" and the siren and communicator will not operate. **WARNING: EXTREME CARE SHOULD BE TAKEN NOT TO INADVERTENTLY PROGRAM THIS LOCATION.**

## APPENDIX 1

This document lists the event reporting codes for Ademco Contact ID reporting in the 250. The event codes are programmed placing a number from 0-15 in the "100's" location of the communicator code for the event being reported. The 10's and 1's digits programmed are sent as the zone identifier. The following event codes will be sent for the digit programmed:

| <b>PROGRAMMED 100's DIGIT</b> | <b>ADEMCO EVENT CODE</b> | <b>DEFINITION</b>   |
|-------------------------------|--------------------------|---------------------|
| 0                             | 122                      | Silent panic        |
| 1                             | 110                      | Fire                |
| 2                             | 120                      | Panic               |
| 3                             | 130                      | Burglary            |
| 4                             | 131                      | Perimeter Burglary  |
| 5                             | 132                      | Interior Burglary   |
| 6                             | 133                      | 24 hour Auxiliary   |
| 7                             | 134                      | Entry/Exit Burglary |
| 8                             | 135                      | Day/Night Burglary  |
| 9                             | 150                      | Non-burg 24 hour    |
| 10                            | 121                      | Duress              |
| 11                            | 100                      | Medical Alarm       |
| 12                            | 123                      | Audible Panic       |

The following event codes are sent automatically but must be enabled by programming a 1 in the communicator code location that report:

| <b>REPORTING EVENT</b> | <b>ADEMCO EVENT DIGIT</b> | <b>LOCATIONS</b> |
|------------------------|---------------------------|------------------|
| Keypad /Zone Tamper    | 137                       | 304/339          |
| Autotest               | 602                       | 308              |
| Fail To Communicate    | 354                       | 312              |
| Opening/Closing        | 401                       | 340/341          |
| Cancel                 | 406                       | 343              |
| A.C. Loss              | 301                       | 320              |
| Restore                | Event code for alarm      | 332              |
| Zone Isolate           | 570                       | 334              |
| Zone Trouble           | 380                       | 336              |
| Low Battery            | 302                       | 324              |
| Battery Test Fail      | 309                       | 324              |
| Late to Close          | 404                       | 348              |
| Early to Open          | 400                       | 344              |
| Download Complete      | 412                       | 352              |
| Expander Trouble       | 333                       | 385              |

## WORKSHEETS

### COMMUNICATOR CODES

| LOCATION | PAGE | DESCRIPTION               | DATA 1 | DATA 2 | DATA 3 | DATA 4 | "DEFAULT"       |
|----------|------|---------------------------|--------|--------|--------|--------|-----------------|
| 256-259  |      | ZONE #1 COMMUNICATOR CODE |        |        |        |        | "3 - 0 - 1 - 5" |
| 260-263  |      | ZONE #2 COMMUNICATOR CODE |        |        |        |        | "3 - 0 - 2 - 5" |
| 264-267  |      | ZONE #3 COMMUNICATOR CODE |        |        |        |        | "3 - 0 - 3 - 5" |
| 268-271  |      | ZONE #4 COMMUNICATOR CODE |        |        |        |        | "3 - 0 - 4 - 5" |
| 272-275  |      | ZONE #5 COMMUNICATOR CODE |        |        |        |        | "3 - 0 - 5 - 5" |
| 276-279  |      | ZONE #6 COMMUNICATOR CODE |        |        |        |        | "3 - 0 - 6 - 5" |
| 280-283  |      | ZONE #7 COMMUNICATOR CODE |        |        |        |        | "3 - 0 - 7 - 5" |
| 284-287  |      | ZONE #8 COMMUNICATOR CODE |        |        |        |        | "3 - 0 - 8 - 5" |

### COMMUNICATOR CODES

| LOCATION | PAGE | DESCRIPTION                       | DATA 1 | DATA 2 | DATA 3 | DATA 4 | "DEFAULT"       |
|----------|------|-----------------------------------|--------|--------|--------|--------|-----------------|
| 288-291  |      | DURESS USER CODE 15 COM CODE      |        |        |        |        | "0 - 0 - 0 - 5" |
| 292-295  |      | CODE PAD (1 + 3) AUX 1 COM CODE   |        |        |        |        | "1 - 0 - 0 - 5" |
| 296-299  |      | CODE PAD (4 + 6) AUX 2 COM CODE   |        |        |        |        | "1 - 0 - 0 - 5" |
| 300-303  |      | CODE PAD (* + #) PANIC COM CODE   |        |        |        |        | "2 - 0 - 0 - 5" |
| 304-307  |      | CODE PAD TAMPER COMMUNICATOR CODE |        |        |        |        | "1 - 0 - 0 - 5" |
| 308-311  |      | AUTO TEST COMMUNICATOR CODES      |        |        |        |        | "0 - 0 - 0 - 5" |
| 312-315  |      | FAIL TO COMMUNICATE COM CODES     |        |        |        |        | "1 - 0 - 0 - 5" |
| 316-319  |      | BOX TAMPER COMMUNICATOR CODES     |        |        |        |        | "0 - 0 - 0 - 5" |
| 320-323  |      | AC POWER FAIL COMMUNICATOR CODES  |        |        |        |        | "1 - 0 - 0 - 5" |
| 324-327  |      | LOW BATTERY COMMUNICATOR CODES    |        |        |        |        | "1 - 0 - 0 - 5" |

### COMMUNICATOR CODES

| LOCATION | PAGE | PAGE                                  | PAGE | "DEFAULT" |
|----------|------|---------------------------------------|------|-----------|
| 328      |      | AC POWER RESTORE COMMUNICATOR CODE    |      | "1"       |
| 329      |      | LOW BATTERY RESTORE COMMUNICATOR CODE |      | "1"       |
| 330      |      | AC POWER FAIL REPORT DELAY            |      | "5"       |
| 331      |      | RESERVED                              |      | "0"       |
| 332      |      | RESTORE CODE FOR ZONES 1-8            |      | "1"       |
| 333      |      | RESTORE CODE FOR ZONES 9-16           |      | "0"       |
| 334      |      | INSULATE CODE FOR ZONES 1-8           |      | "1"       |
| 335      |      | INSULATE CODE FOR ZONES 9-16          |      | "0"       |
| 336      |      | TROUBLE CODE FOR ZONES 1-8            |      | "1"       |
| 337      |      | TROUBLE CODE FOR ZONES 9-16           |      | "0"       |
| 338      |      | ZONE TAMPER CODE FOR ZONES 1-8        |      | "1"       |
| 339      |      | ZONE TAMPER CODE FOR ZONES 9-16       |      | "0"       |
| 340      |      | OPENING COMMUNICATOR CODE             |      | "0"       |
| 341      |      | CLOSING COMMUNICATOR CODE             |      | "0"       |
| 342      |      | OPENING/CLOSING PHONE SELECTOR        |      | "5"       |
| 343      |      | CANCEL COMMUNICATOR CODE              |      | "0"       |

**COMMUNICATOR CODES**

| LOCATION | PAGE | DESCRIPTION                         | DATA 1 | DATA 2 | DATA 3 | DATA 4 | "DEFAULT" |
|----------|------|-------------------------------------|--------|--------|--------|--------|-----------|
| 344-347  |      | LATE TO CLOSE COMMUNICATOR CODE     |        |        |        |        | "0-0-0-5" |
| 348-351  |      | EARLY OPENING COMMUNICATOR CODE     |        |        |        |        | "0-0-0-5" |
| 352-355  |      | DOWNLOAD COMPLETE COMMUNICATOR CODE |        |        |        |        | "0-0-0-5" |
| 356-359  |      | AUTOMATIC ARM COMMUNICATOR CODE     |        |        |        |        | "0-0-0-5" |
| 360-363  |      | CODE PAD AUX #3 COMMUNICATOR CODE   |        |        |        |        | "0-0-0-5" |

**PROGRAMMING TIMER OPTIONS**

| LOCATION | PAGE | DESCRIPTION                   | DATA 1 | DATA 2 | DATA 3 | DATA 3 | "DEFAULT" |
|----------|------|-------------------------------|--------|--------|--------|--------|-----------|
| 364-367  |      | EARLY OPENING TIME            |        |        |        |        | "0-6-0-0" |
| 368-371  |      | LATE CLOSING/AUTO ARMING TIME |        |        |        |        | "2-0-0-0" |

**PROGRAMMING OPTIONS**

| LOCATION | PAGE | DESCRIPTION                                        | DATA | "DEFAULT"  |
|----------|------|----------------------------------------------------|------|------------|
| 372      |      | CLOSED SATURDAY ENABLE                             |      | "0"        |
| 373      |      | CLOSED SUNDAY ENABLE                               |      | "0"        |
| 374      |      | AUTO ARM ENABLE                                    |      | "0"        |
| 375      |      | AUTO CALLBACK ENABLE                               |      | "0"        |
| 376      |      | RESERVED                                           |      | "RESERVED" |
| 377      |      | WEEKLY AUTOTEST ENABLE SUNDAY = "1" SATURDAY = "7" |      | "0"        |

**PROGRAMMING TIMER OPTIONS**

| LOCATION | PAGE | DESCRIPTION                            | DATA   |        |        |        | "DEFAULT" |
|----------|------|----------------------------------------|--------|--------|--------|--------|-----------|
|          |      |                                        |        | DATA 1 | DATA 2 |        |           |
| 378-379  |      | AUTOTEST INTERVALS (IN HOURS)          |        |        |        |        | "2-4"     |
|          |      |                                        | DATA 1 | DATA 2 | DATA 3 | DATA 4 |           |
| 380-383  |      | TIME TO PERFORM AUTOTEST(24 HOUR TIME) |        |        |        |        | "0-2-0-0" |

**PROGRAMMING EXPANSION DEVICES**

| LOCATION | PAGE | DESCRIPTION                                    | DATA | "DEFAULT"    |
|----------|------|------------------------------------------------|------|--------------|
| 384      |      | NUMBER OF EXPANSION DEVICES OPT=("1" THRU "7") |      | "0" DISABLED |
| 385      |      | EXPANDER TROUBLE COMMUNICATOR CODE             |      | "0" DISABLED |
| 386      |      | EXPANDER TROUBLE PHONE SELECTOR                |      | "1"          |
| 387      |      | EXPANDER TROUBLE RESTORE COMMUNICATOR CODE     |      | "0" DISABLED |

**ZONE TYPES FOR ZONES 9 -16**

| LOCATION | PAGE | DESCRIPTION          | DATA | "DEFAULT"   |
|----------|------|----------------------|------|-------------|
| 388      |      | ZONE # 9 - ZONE TYPE |      | "6" INSTANT |
| 389      |      | ZONE #10 - ZONE TYPE |      | "6" INSTANT |
| 390      |      | ZONE #11- ZONE TYPE  |      | "6" INSTANT |
| 391      |      | ZONE #12 - ZONE TYPE |      | "6" INSTANT |
| 392      |      | ZONE #13 - ZONE TYPE |      | "6" INSTANT |
| 393      |      | ZONE #14 - ZONE TYPE |      | "6" INSTANT |
| 394      |      | ZONE #15 - ZONE TYPE |      | "6" INSTANT |
| 395      |      | ZONE #16 - ZONE TYPE |      | "6" INSTANT |

**SPECIAL CHARACTERISTICS FOR ZONES 9 -16**

| LOCATION | PAGE | DESCRIPTION                        | DATA | "DEFAULT" |
|----------|------|------------------------------------|------|-----------|
| 396      |      | ZONE # 9 - SPECIAL CHARACTERISTICS |      | "12"      |
| 397      |      | ZONE #10 - SPECIAL CHARACTERISTICS |      | "12"      |
| 398      |      | ZONE #11 - SPECIAL CHARACTERISTICS |      | "12"      |
| 399      |      | ZONE #12 - SPECIAL CHARACTERISTICS |      | "12"      |
| 400      |      | ZONE #13 - SPECIAL CHARACTERISTICS |      | "12"      |
| 401      |      | ZONE #14 - SPECIAL CHARACTERISTICS |      | "12"      |
| 402      |      | ZONE #15 - SPECIAL CHARACTERISTICS |      | "12"      |
| 403      |      | ZONE #16 - SPECIAL CHARACTERISTICS |      | "12"      |

**AUDIBLE CHARACTERISTICS FOR ZONES 9 -16**

| LOCATION | PAGE | DESCRIPTION                        | DATA | "DEFAULT" |
|----------|------|------------------------------------|------|-----------|
| 404      |      | ZONE # 9 - AUDIBLE CHARACTERISTICS |      | "1"       |
| 405      |      | ZONE #10 - AUDIBLE CHARACTERISTICS |      | "1"       |
| 406      |      | ZONE #11 - AUDIBLE CHARACTERISTICS |      | "1"       |
| 407      |      | ZONE #12 - AUDIBLE CHARACTERISTICS |      | "1"       |
| 408      |      | ZONE #13 - AUDIBLE CHARACTERISTICS |      | "1"       |
| 409      |      | ZONE #14 - AUDIBLE CHARACTERISTICS |      | "1"       |
| 410      |      | ZONE #15 - AUDIBLE CHARACTERISTICS |      | "1"       |
| 411      |      | ZONE #16 - AUDIBLE CHARACTERISTICS |      | "1"       |

**REPORTING CHARACTERISTICS FOR ZONES 9 -16**

| LOCATION | PAGE | DESCRIPTION                          | DATA | "DEFAULT" |
|----------|------|--------------------------------------|------|-----------|
| 412      |      | ZONE # 9 - REPORTING CHARACTERISTICS |      | "3"       |
| 413      |      | ZONE #10 - REPORTING CHARACTERISTICS |      | "3"       |
| 414      |      | ZONE #11 - REPORTING CHARACTERISTICS |      | "3"       |
| 415      |      | ZONE #12 - REPORTING CHARACTERISTICS |      | "3"       |
| 416      |      | ZONE #13 - REPORTING CHARACTERISTICS |      | "3"       |
| 417      |      | ZONE #14 - REPORTING CHARACTERISTICS |      | "3"       |
| 418      |      | ZONE #15 - REPORTING CHARACTERISTICS |      | "3"       |
| 419      |      | ZONE #16 - REPORTING CHARACTERISTICS |      | "3"       |

**COMMUNICATOR CODES FOR ZONES 9 -16**

| LOCATION | PAGE | DESCRIPTION                | DATA 1 | DATA 2 | DATA 3 | DATA 4 | "DEFAULT"       |
|----------|------|----------------------------|--------|--------|--------|--------|-----------------|
| 420-423  |      | ZONE # 9 COMMUNICATOR CODE |        |        |        |        | "3 - 0 - 9 - 5" |
| 424-427  |      | ZONE #10 COMMUNICATOR CODE |        |        |        |        | "3 - 1 - 0 - 5" |
| 428-431  |      | ZONE #13 COMMUNICATOR CODE |        |        |        |        | "3 - 1 - 1 - 5" |
| 432-435  |      | ZONE #12 COMMUNICATOR CODE |        |        |        |        | "3 - 1 - 2 - 5" |
| 436-439  |      | ZONE #13 COMMUNICATOR CODE |        |        |        |        | "3 - 1 - 3 - 5" |
| 440-443  |      | ZONE #14 COMMUNICATOR CODE |        |        |        |        | "3 - 1 - 4 - 5" |
| 444-447  |      | ZONE #15 COMMUNICATOR CODE |        |        |        |        | "3 - 1 - 5 - 5" |
| 448-451  |      | ZONE #16 COMMUNICATOR CODE |        |        |        |        | "3 - 1 - 6 - 5" |

**PROGRAMMING TIMER OPTIONS**

| LOCATION | PAGE | DESCRIPTION                                       | DATA 1 | DATA 2 | "DEFAULT"   |
|----------|------|---------------------------------------------------|--------|--------|-------------|
| 452-453  |      | NUMBER OF ELAPSED HOURS SINCE LAST AUTOTEST CODE  |        |        | "UNDEFINED" |
|          |      |                                                   |        | DATA   |             |
| 454      |      | DAY OF THE WEEK (SUNDAY = "1" SATURDAY = "7")     |        |        | "UNDEFINED" |
| 455      |      | MONTH OF THE YEAR (JANUARY = "1" DECEMBER = "12") |        |        | "UNDEFINED" |
| 456      |      | DAY OF THE MONTH - TENS DIGIT (25TH = "2")        |        |        | "UNDEFINED" |
| 457      |      | DAY OF THE MONTH - ONES DIGIT (25TH = "5")        |        |        | "UNDEFINED" |
| 458      |      | CURRENT YEAR - TENS DIGIT (1994 = "9")            |        |        | "UNDEFINED" |
| 459      |      | CURRENT YEAR - ONES DIGIT (1994 = "4")            |        |        | "UNDEFINED" |
|          |      |                                                   |        |        |             |
| 460      |      | CURRENT HOUR - TENS DIGIT                         |        |        | "UNDEFINED" |
| 461      |      | CURRENT HOUR - ONES DIGIT                         |        |        | "UNDEFINED" |
| 462      |      | CURRENT MINUTE - TENS DIGIT                       |        |        | "UNDEFINED" |
| 463      |      | CURRENT MINUTE - ONES DIGIT                       |        |        | "UNDEFINED" |

**PROGRAMMING SHADOW LOCATIONS FOR WIRELESS RECEIVER  
REFER TO THE FS4802 INSTALLATION MANUAL**

| LOCATION | PAGE | DESCRIPTION                                        | DATA   |        |        |        | "DEFAULT"   |
|----------|------|----------------------------------------------------|--------|--------|--------|--------|-------------|
|          |      |                                                    | DATA 1 | DATA 2 | DATA 3 | DATA 4 |             |
| 464-467  |      | SYSTEM I.D. CODE                                   |        |        |        |        | "UNDEFINED" |
|          |      |                                                    |        |        |        | DATA 1 |             |
| 468      |      | TRANSMITTER TYPE                                   |        |        |        |        | "UNDEFINED" |
| 469      |      | TRANSMITTER TYPE CONTROL                           |        |        |        |        | "UNDEFINED" |
|          |      |                                                    |        | DATA 1 | DATA 2 |        |             |
| 470-471  |      | TRANSMITTER ZONE NUMBER                            |        |        |        |        | "UNDEFINED" |
| 472-473  |      | TRANSMITTER POINT NUMBER                           |        |        |        |        | "UNDEFINED" |
|          |      |                                                    |        |        |        | DATA 1 |             |
| 474      |      | TRANSMITTER PROGRAM                                |        |        |        |        | "UNDEFINED" |
| 475      |      | PHONE SELECTOR / SUPERVISORY SIGNAL REPORT CONTROL |        |        |        |        | "UNDEFINED" |

**THE FOLLOWING LOCATIONS ARE ACCESSIBLE ONLY THROUGH DOWNLOADING**

| LOCATION | PAGE | DESCRIPTION                          | DATA |  |  |  |  |  |  |  | "DEFAULT"    |
|----------|------|--------------------------------------|------|--|--|--|--|--|--|--|--------------|
| 000-007  |      | CONTROL PANEL ACCESS CODE            |      |  |  |  |  |  |  |  | "25000000"   |
| 008-015  |      | CALLBACK PHONE NUMBER, DIGITS 1 - 8  |      |  |  |  |  |  |  |  | "0" DISABLED |
| 016-023  |      | CALLBACK PHONE NUMBER, DIGITS 9 - 16 |      |  |  |  |  |  |  |  | "0" DISABLED |
| 024      |      | CALLBACK ENABLE                      |      |  |  |  |  |  |  |  | "0" DISABLED |
| 025      |      | LOCAL PROGRAMMING LOCKOUT            |      |  |  |  |  |  |  |  | "0" DISABLED |
| 026      |      | CONTROL PANEL SHUTDOWN               |      |  |  |  |  |  |  |  | "0" DISABLED |