

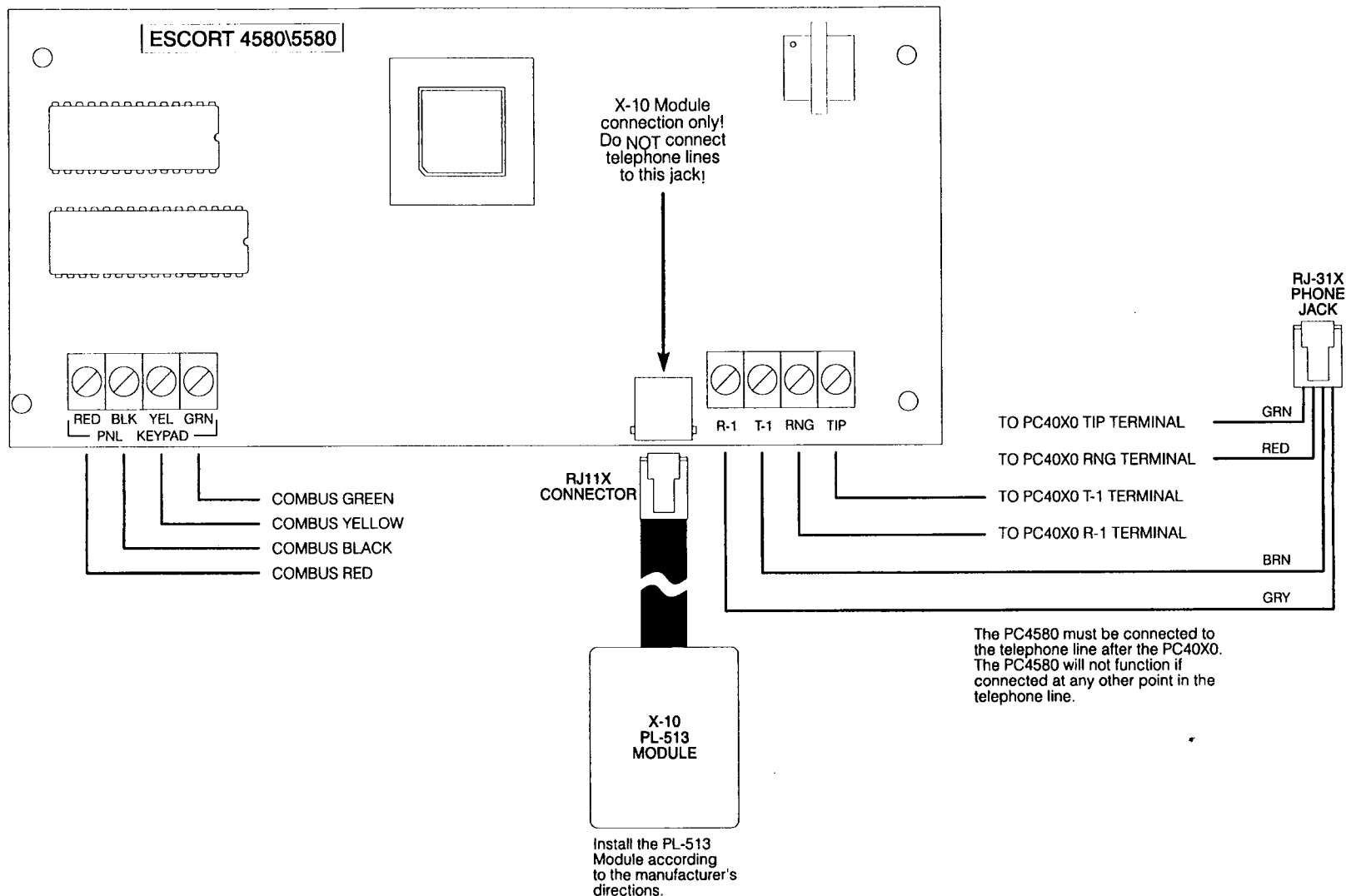
October 12, 1995
Software Version 1.0

INSTALLATION MANUAL



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Introduction

Features

- Allows the MAXSYS PC4010 and PC4020 Alarm Control Systems to be operated through local and remote DTMF telephones
- Voice prompt operation
- Informative prompts guide the user through all system functions selected as being accessible through the Escort 4580
- Programmable voice labels for zones, partitions and functions
- Adds Home Automation using X-10 Protocol to the PC4010 and PC4020
- Supports up to 32 Home Automation devices
- 16 Automation Schedules
- 8 Automation Modes
- Programmable through a local DTMF telephone
- All programming guided by easily understood voice prompts
- Uploading and Downloading supported in the DSC DLS-1 v5.6 (DOS) and DLS-2 (Windows) Downloading Software Packages

Specifications

- Compatible with PC4010 v2.0 and PC4020 v2.0
- Connects to the PC4010 and PC4020 COMBUS and R-1 and T-1 terminals
- Nominal current draw:
 - Standby: 65 mA
 - Connected to local (on-premise) telephone: 150 mA
 - Connected to remote (off-premise) telephone: 130 mA
- Mounts in same cabinet as alarm control panel

Installation

Mounting the Cabinet

If mounting a new cabinet for the Escort 4580, select a dry location close to the already installed alarm control panel and close to the telephone connection.

If the Escort 4580 is to be mounted in an existing cabinet and circuit board stand-offs cannot be installed, double-sided foam tape may be used to mount the Escort 4580. Ensure the foam tape is thick enough to raise the Escort 4580 away from any conductive surface.

Before attaching the cabinet to the wall, press the four white circuit board stand-offs into the raised mounting holes from the back of the cabinet. Hold the cabinet in position and pull all wires into the cabinet. Mount the cabinet securely to the wall using the mounting screws provided. It is recommended that appropriate wall anchors be used when securing the panel to drywall, plaster, concrete, brick or other similar surfaces.

With the cabinet mounted, press the Escort 4580 Control Panel onto the stand-offs.

Wiring

Refer to the Hook-up Diagram in the back of this manual.

RED, BLK, YEL and GRN Terminals

Connect the RED, BLK, YEL and GRN terminals to the red, black yellow and green COMBUS terminals on the PC4010/PC4020 control panel. Refer to the PC4010/PC4020 Installation Manual for complete instructions on COMBUS wiring.

RNG and TIP Terminals

Connect the Escort 4580 RNG terminal to the alarm control panel R-1 terminal.

Connect the Escort 4580 TIP terminal to the alarm control panel T-1 terminal.

Connect the Escort 4580 T-1 terminal to the brown (BRN) conductor of the premises telephone line.

Connect the Escort 4580 R-1 terminal to the grey (GRY) conductor of the premises telephone line.

NOTE: The Escort 4580 must be located after the control panel on the telephone lines. The Escort 4580 will not function if connected at any other point on the telephone lines.

RJ11X Connector to X10 Module

Use an RJ11X connector and cable (not supplied) to connect the Escort 4580 to an X-10 PL-513 Module. Refer to and follow the manufacturers instructions for installing the PL-513 module.

Operation

Refer to the Instruction Manual for complete operating instructions.

Programming

With the system disarmed, perform the following to access the Escort 4580 Programming Mode:

Pick up a local telephone handset and you will hear

Dial Tone.

Enter the Telephone Access Code. The default Telephone Access Code is [***]; this code may be reprogrammed in Section 020. The system will prompt

"Hello"

Enter the Programming Mode by entering [*][8]. The system will prompt

"Enter the Service Code"

Enter the 4-digit Service Code. The default Service Code is [4580]; the Service Code may be changed in Programming Section 001. After the Service Code is entered, the system will prompt

"Enter a Section Number. To exit, press [#]"

To hang up, hang up the handset. To program a Programming Section, enter the 3-digit number of the Section. If an error is made in entering the section number, the system will prompt

"Invalid entry. Enter a Section Number. To exit, press [#]"

When a Section number is entered, the system will indicate which section has been entered with the prompt

"Section (number)"

The system will then announce what data is presently programmed, or what options are selected.

Programming Data Entry Sections

After the Section number is announced, the system will indicate what data is presently programmed as

"Data is (data)"

The system will then prompt

"Enter new data"

Press [#] to return to the "Enter a Section Number" prompt, or enter the new data. When the new data is entered, the system will announce the new data with the prompt

"Data is (data)"

If an incorrect entry is made, the system will announce

"Invalid Entry. Data is (data). Enter new data"

Programming Option Sections

After the Section number is announced, the system will indicate which options are presently turned ON with the one of the following prompts

"All options are off"

"All options are on"

"Option (number) is on"

"Options (numbers) are on"

The system will then prompt

"Enter two digit option. To Exit, press pound"

Press [#] to return to the "Enter a Section Number" prompt, or enter a 2-digit Option Number to turn the selected option ON or OFF. If an error is made in entering the option number, the system will prompt

"Invalid entry"

The system will then announce which options are ON. After an option number has been correctly entered, the system will again announce which options are ON with one of the prompts described above.

When all option programming is complete, press [#] to return to the "Enter a Section Number" prompt.

Programming Label Entry Sections

After the Section number is announced, the system will recite the words presently programmed in the selected label. Each label may hold up to six words.

After the words are announced, the system will prompt

“Enter three digit word. To exit, press pound”.

Press [#] to return to the “Enter a Section Number” prompt, or refer to the Label Library and enter a 3-digit code to program a word. If the word is entered correctly, a “beep” will sound. If more words may be entered, the system will prompt

“Enter three digit word. To exit press pound”

If no more words may be entered, the system will recite the label. If an invalid entry is made, the system will prompt

“Invalid entry. Enter three digit word. To exit press pound”

When all label programming is complete, press [#] to return to the “Enter a Section Number” prompt.

When all programming is complete, hang up the handset.

Programming Sections: System Programming

001 Service Code

The Service Code allows access to the Escort 4580 Programming Sections. Enter a 4-digit code in this section; the default Service Code is [4580].

002 First System Option Code

Option

- | | | |
|----|-----|---|
| 01 | ON | Home Automation enabled. When selected, Home Automation Items may be controlled using the [*][5] command. |
| | OFF | Home Automation disabled |
| 02 | ON | [*][5] Automation Control Command requires an Access Code. The system will require a valid Access Code to be entered before access to Automation Items will be allowed. |
| | OFF | [*][5] Automation Control Command does not require an Access Code. |

003 Status Prompt Mask

This section determines which Status Prompts will be available to the user. When "ON", the prompt will be announced when the appropriate condition is present. When "OFF", the prompt will not be announced if the condition is present.

Option

- | | | |
|----|-----|---|
| 01 | ON | "Warning Bypass On" prompt enabled |
| | OFF | Disabled |
| 02 | ON | "System Open Zone X" prompt enabled |
| | OFF | Disabled |
| 03 | ON | "Alarms in Memory" prompt enabled |
| | OFF | Disabled |
| 04 | ON | "AC Trouble" prompt enabled |
| | OFF | Disabled |
| 05 | ON | "Phone Line Trouble" prompt enabled |
| | OFF | Disabled |
| 06 | ON | "Low Battery on Zone X" prompt enabled |
| | OFF | Disabled |
| 07 | ON | "Loss of Clock Trouble" prompt enabled |
| | OFF | Disabled |
| 08 | ON | "System Fault, Service Required" prompt enabled |
| | OFF | Disabled |
| 09 | ON | "For More Options, Press Star" prompt enabled |
| | OFF | Disabled |
| 10 | ON | "System On Without Entry" prompt enabled |
| | OFF | Disabled |
| 11 | ON | "Automation Service" prompt enabled |
| | OFF | Disabled |
| 12 | ON | "Zone Tamper" prompt enabled |
| | OFF | Disabled |
| 13 | ON | "Zone Fault" prompt enabled |
| | OFF | Disabled |

004 [*] Function Prompt Mask

This section determines which [*] Function Prompts will be available to the user. When "ON", the prompt will be announced; when "OFF", the prompt will not be announced. Note that a [*] Function may still be used even if its prompt is not announced.

Option

01	ON	"For Zone Bypassing" prompt enabled
	OFF	Disabled
02	ON	"For Alarm Memory" prompt enabled
	OFF	Disabled
03	ON	"For Sensor Reset" prompt enabled
	OFF	Disabled
04	ON	"For Automation Control" prompt enabled
	OFF	Disabled
05	ON	"For Special Functions" prompt enabled
	OFF	Disabled
06	ON	"For Door Strike" prompt enabled
	OFF	Disabled
07	ON	"For Arming Without Entry" prompt enabled
	OFF	Disabled
08	ON	"For Quick Arming" prompt enabled
	OFF	Disabled
09	ON	"For Quick Exit" prompt enabled
	OFF	Disabled
10	ON	"To Arm Interior Zones" prompt enabled
	OFF	Disabled

005 Local Programming Lockout Counter

The Local Programming Lockout feature will prevent Escort PC4580 programming after a programmable number of invalid Access Codes are entered on a handset. Enter the number of invalid codes to be allowed before the Local Programming Lockout feature is activated. Valid entries are between 000 and 255; the default setting is 000.

006 Local Programming Lockout Duration

This section determines the duration, in minutes, of the Local Programming Lockout. During the Local Programming Lockout Duration time, the Escort PC4580 will not accept any Access Code, even valid Access Codes, for programming. Enter a time between 000 to 255 minutes; the default setting is 000.

007 Number of Home Automation Transmissions

This section determines the number of Home Automation ON or OFF commands that will be transmitted when a Home Automation Item is activated. Multiple ON / OFF commands may be used to ensure more reliable control of automated devices. Valid entries in the range of 001 to 255; the default setting is 001.

Note: Section 007 is not supported by the DLS-1 Version 5.6 or earlier Downloading Software.

Programming Sections: Telephone Access Programming

020 Local and Remote Telephone Access Code

This 3-digit code allows access to the system through a telephone on the premises, or by calling the system from a remote phone. The default Access Code is [***]. Enter a 3-digit code using the numbers 0 through 9, and the signs [#] and [*].

Important Note: Avoid programming an Access Code that coincides with 3-digit local telephone numbers and services. In most areas, 0xx, 411, 911 and 611 should not be used as an Access Code. Also, in some areas, telephone services may be available by dialling [*] and 2 digits. Ensure that the Access Code is not the same as any of the [*] functions available from the service provider.

021 Telephone Access Options

Option

- | | | |
|----|-----|---|
| 01 | ON | Remote Access Enabled. The user will be able to access the system from remote telephones. To gain access to the system, the user must call the system and hang up after one or two rings. The user then calls the system again; when the system answers the call, enter the Telephone Access Code to access the system. |
| | OFF | Remote Access Disabled. The system will not allow access from off-premises telephones. |
| 02 | ON | Access Code always required for Local Access. When the user picks up a premises telephone and enters the Telephone Access Code, the system will require that a valid Access Code be entered. An Access Code must be entered to gain access to the system. |
| | OFF | No Access Code required for Partition Access. When the user picks up a premises telephone and enters the Telephone Access Code, the system will provide immediate access. |

Programming Sections: Automation Schedules

Programming Sections 030 through 077 are used to set the ON Time, OFF Time and Schedule Options for Schedules 1 through 16. The ON and OFF Times must occur within the same 24-hour period (that is, within the same day), unless multiple Schedules are used.

In the ON Time and OFF Time sections, enter a time in the 24-hour clock format. Valid entries are 00 to 23 for the hour, and 00 to 59 for the minute. Refer to the Programming Data Sections in the Programming section of this manual for instructions on how to program data sections.

In the Schedule Options section, turn options ON or OFF by entering the 2-digit option number. Refer to Programming Option Sections in the Programming section of this manual for instructions on how to program the options sections.

030 Schedule 1 ON Time

This section determines the time Schedule 1 will turn ON. Enter a 4-digit time in the 24-hour clock format. Valid entries are from 00 to 23 for the hour, and 00 to 59 for the minute.

031 Schedule 1 OFF Time

This section determines the time Schedule 1 will turn OFF. Enter a 4-digit time in the 24-hour clock format. Valid entries are from 00 to 23 for the hour, and 00 to 59 for the minute.

032 Schedule 1 Day Mask

This section determines the days on which Schedule 1 will function. Enter 2-digit numbers to turn the following options ON and OFF.

Option	ON	OFF
01	Sunday ON	Sunday OFF
02	Monday ON	Monday OFF
03	Tuesday ON	Tuesday OFF
04	Wednesday ON	Wednesday OFF
05	Thursday ON	Thursday OFF
06	Friday ON	Friday OFF
07	Saturday ON	Saturday OFF

Refer to Programming Sections 030 through 032 for instructions on programming Schedules 2 through 16. Schedules 2 through 16 are programmed in the following Programming Sections:

033 Schedule 2 ON Time	048 Schedule 7 ON Time	063 Schedule 12 ON Time
034 Schedule 2 OFF Time	049 Schedule 7 OFF Time	064 Schedule 12 OFF Time
035 Schedule 2 Day Mask	050 Schedule 7 Day Mask	065 Schedule 12 Day Mask
036 Schedule 3 ON Time	051 Schedule 8 ON Time	066 Schedule 13 ON Time
037 Schedule 3 OFF Time	052 Schedule 8 OFF Time	067 Schedule 13 OFF Time
038 Schedule 3 Day Mask	053 Schedule 8 Day Mask	068 Schedule 13 Day Mask
039 Schedule 4 ON Time	054 Schedule 9 ON Time	069 Schedule 14 ON Time
040 Schedule 4 OFF Time	055 Schedule 9 OFF Time	070 Schedule 14 OFF Time
041 Schedule 4 Day Mask	056 Schedule 9 Day Mask	071 Schedule 14 Day Mask
042 Schedule 5 ON Time	057 Schedule 10 ON Time	072 Schedule 15 ON Time
043 Schedule 5 OFF Time	058 Schedule 10 OFF Time	073 Schedule 15 OFF Time
044 Schedule 5 Day Mask	059 Schedule 10 Day Mask	074 Schedule 15 Day Mask
045 Schedule 6 ON Time	060 Schedule 11 ON Time	075 Schedule 16 ON Time
046 Schedule 6 OFF Time	061 Schedule 11 OFF Time	076 Schedule 16 OFF Time
047 Schedule 6 Day Mask	062 Schedule 11 Day Mask	077 Schedule 16 Day Mask

Programming Sections: Automation Items

Programming Sections 130 through 289 program the operation for Automation Items 1 through 32. Five Programming Sections are used to program the operation of each Automation Item:

- The first section determines the Home Automation Item House Code and Unit Number
- The second section programs various operating options
- The third section determines which Schedule the Automation Item follows
- The fourth section assigns a Mode to the Automation Item
- The fifth section determines the Output Condition of the Automation Item

Programming Sections 130 through 134 for Automation Item 1 are described in detail below. The remaining Programming Sections for Automation Items 2 through 32 are programmed in the same manner.

130 Automation Item 1: House Code and Unit Number

This section assigns an X-10 Protocol House Code and Unit Number to an Automation Item. Enter a 3-digit number from Programming Worksheets Appendix 1: X-10 Protocol House Code and Unit Numbers.

131 Automation Item 1: Miscellaneous Options

01 Item Options

- ON Automation Item Enabled. When ON, the Automation Item will function as programmed in the Options below.
- OFF Automation Item Disabled. When OFF, the Automation Item will not be affected by the Options selected below.

02 User Control Options

- ON User Controlled ON/OFF. When ON, the user will be able to use the [*][5] command to manually control the Automation Item.
- OFF Not User Controlled. When OFF, the [*][5] command will not affect the Automation Item. The item may still be controlled by a Schedule or Alarm System Output.

03 Global ON / OFF Options

- ON Included in Global ON/OFF Command. When ON, the Automation Item will turn ON or OFF when the Global Item Control function is executed from the [*][5] command. If this option is enabled, User Controlled ON/OFF must be enabled as well.
- OFF Not included in Global ON/OFF Command. When OFF, the Automation Item will not be affected by the Global Item Control function.

04 Dimming Options

- ON Dimming Enabled. When ON, the Automation Item will feature 6 dimming states: ON, OFF, and Levels 1 through 4. This option should be used only for light and other items connected to powerline modules capable of dimming.
- OFF Dimming Disabled. When OFF, the Automation Item will only have two states: ON or OFF.

05 Schedule / Output Options

- ON Follows Schedule / Output Condition Always. The Automation Item will always follow the Schedule / Output condition programmed in the Item Schedule / Output Condition programming section.
- OFF Follows Schedule / Output Condition only when Mode is ON. The Automation item will follow the Schedule / Output Condition only when a mode assigned to the item is ON. This function would be used for items that are user-controlled only (and not schedule or output controlled), but where it is required that the item should follow a schedule or output when a mode is ON. A lawn sprinkler system is a typical application of this function.

06 Duration Options

- ON Item ON Steady while Active. When ON, the Automation Item will remain activated until it is deactivated by the user, a schedule or an Alarm System Output.
- OFF Programmed Pulse when Active. When OFF, the Automation Item will be activated for the length of time programmed in the item's Automation Item Pulse Timer section. Refer to Automation Item Pulse Timers, Sections [301] through [332]. This Option can be used to trigger devices requiring a trigger pulse, or to activate an item for a specific length of time.

Note: Duration Options should not be used if Dimming is enabled. Note that all pulses switch to the ON state.

07 Prompt Option 1

- ON Item prompt is "ON / OFF". When ON, the Automation Item will prompt "ON" and "OFF" for the ON and OFF states while controlled by the [*][5] command. This prompt would be used for devices such as lights or appliances.
- OFF Item prompt is not "ON / OFF"

08 Prompt Option 2

- ON Item prompt is "OPEN / CLOSED". When ON, the Automation Item will prompt "OPEN" and "CLOSED" for the ON and OFF states while controlled by the [*][5] command. This prompt would be used for applications such as curtains and door openers.
- OFF Item prompt is not "OPEN / CLOSED".

09 Prompt Option 3

- ON Item prompt is "SETBACK ON / SETBACK OFF". When ON, the Automation Item will prompt "SETBACK ON" and "SETBACK OFF" for the ON and OFF states while controlled by the [*][5] command. This prompt would be used for applications such as temperature control.
- OFF Item prompt is not "Setback ON / Setback OFF"

NOTE: Only one of Options 07, 08 and 09 should be ON. If more than one option is ON, the system will use the first enabled option. If none of the options are ON, the system will use Option 07.

132 Automation Item 1: Schedule Assignment

Each Automation Item may be assigned to follow any or all of the 16 Schedules. If an item requires a Schedule that begins on one day and ends on a later day, multiple Schedules must be used. Assign one or more Schedules to the Automation Item by turning options 01 through 16 ON.

Option	ON	OFF
01	Follows Schedule 1	Does not Follow Schedule 1
02	Follows Schedule 2	Does not Follow Schedule 2
03	Follows Schedule 3	Does not Follow Schedule 3
04	Follows Schedule 4	Does not Follow Schedule 4
05	Follows Schedule 5	Does not Follow Schedule 5
06	Follows Schedule 6	Does not Follow Schedule 6
07	Follows Schedule 7	Does not Follow Schedule 7
08	Follows Schedule 8	Does not Follow Schedule 8
09	Follows Schedule 9	Does not Follow Schedule 9
10	Follows Schedule 10	Does not Follow Schedule 10
11	Follows Schedule 11	Does not Follow Schedule 11
12	Follows Schedule 12	Does not Follow Schedule 12
13	Follows Schedule 13	Does not Follow Schedule 13
14	Follows Schedule 14	Does not Follow Schedule 14
15	Follows Schedule 15	Does not Follow Schedule 15
16	Follows Schedule 16	Does not Follow Schedule 16

133 Automation Item 1: Mode Assignment

Each Automation Item may be assigned to any or all of the 8 Modes. Modes can be turned ON or OFF using the [*][5] Automation Control command. Assign one or more Modes to the Automation Item by turning options 01 through 08 ON.

Option	ON	OFF
01	Follows Mode 1	Does not Follow Mode 1
02	Follows Mode 2	Does not Follow Mode 2
03	Follows Mode 3	Does not Follow Mode 3
04	Follows Mode 4	Does not Follow Mode 4
05	Follows Mode 5	Does not Follow Mode 5
06	Follows Mode 6	Does not Follow Mode 6
07	Follows Mode 7	Does not Follow Mode 7
08	Follows Mode 8	Does not Follow Mode 8

134 Automation Item 1: Schedule / Output Condition

Enter a 2-digit number to determine how the Automation Item will operate.

Option	Operation
00	No Schedule or Output Control
01	Alarm System Output Only
02	Schedule Only
03	Schedule or Alarm System Output
04	Schedule and Alarm System Output

Refer to Programming Sections 130 through 134 for instructions on programming Automation Items 2 through 32. Automation Items 2 through 32 are programmed in the following Programming Sections:

135 Automation Item 2: House Code and Unit Number	175 Automation Item 10: House Code and Unit Number
136 Automation Item 2: Miscellaneous Options	176 Automation Item 10: Miscellaneous Options
137 Automation Item 2: Schedule Assignment	177 Automation Item 10: Schedule Assignment
138 Automation Item 2: Mode Assignment	178 Automation Item 10: Mode Assignment
139 Automation Item 2: Schedule / Output Condition	179 Automation Item 10: Schedule / Output Condition
140 Automation Item 3: House Code and Unit Number	180 Automation Item 11: House Code and Unit Number
141 Automation Item 3: Miscellaneous Options	181 Automation Item 11: Miscellaneous Options
142 Automation Item 3: Schedule Assignment	182 Automation Item 11: Schedule Assignment
143 Automation Item 3: Mode Assignment	183 Automation Item 11: Mode Assignment
144 Automation Item 3: Schedule / Output Condition	184 Automation Item 11: Schedule / Output Condition
145 Automation Item 4: House Code and Unit Number	185 Automation Item 12: House Code and Unit Number
146 Automation Item 4: Miscellaneous Options	186 Automation Item 12: Miscellaneous Options
147 Automation Item 4: Schedule Assignment	187 Automation Item 12: Schedule Assignment
148 Automation Item 4: Mode Assignment	188 Automation Item 12: Mode Assignment
149 Automation Item 4: Schedule / Output Condition	189 Automation Item 12: Schedule / Output Condition
150 Automation Item 5: House Code and Unit Number	190 Automation Item 13: House Code and Unit Number
151 Automation Item 5: Miscellaneous Options	191 Automation Item 13: Miscellaneous Options
152 Automation Item 5: Schedule Assignment	192 Automation Item 13: Schedule Assignment
153 Automation Item 5: Mode Assignment	193 Automation Item 13: Mode Assignment
154 Automation Item 5: Schedule / Output Condition	194 Automation Item 13: Schedule / Output Condition
155 Automation Item 6: House Code and Unit Number	195 Automation Item 14: House Code and Unit Number
156 Automation Item 6: Miscellaneous Options	196 Automation Item 14: Miscellaneous Options
157 Automation Item 6: Schedule Assignment	197 Automation Item 14: Schedule Assignment
158 Automation Item 6: Mode Assignment	198 Automation Item 14: Mode Assignment
159 Automation Item 6: Schedule / Output Condition	199 Automation Item 14: Schedule / Output Condition
160 Automation Item 7: House Code and Unit Number	200 Automation Item 15: House Code and Unit Number
161 Automation Item 7: Miscellaneous Options	201 Automation Item 15: Miscellaneous Options
162 Automation Item 7: Schedule Assignment	202 Automation Item 15: Schedule Assignment
163 Automation Item 7: Mode Assignment	203 Automation Item 15: Mode Assignment
164 Automation Item 7: Schedule / Output Condition	204 Automation Item 15: Schedule / Output Condition
165 Automation Item 8: House Code and Unit Number	205 Automation Item 16: House Code and Unit Number
166 Automation Item 8: Miscellaneous Options	206 Automation Item 16: Miscellaneous Options
167 Automation Item 8: Schedule Assignment	207 Automation Item 16: Schedule Assignment
168 Automation Item 8: Mode Assignment	208 Automation Item 16: Mode Assignment
169 Automation Item 8: Schedule / Output Condition	209 Automation Item 16: Schedule / Output Condition
170 Automation Item 9: House Code and Unit Number	210 Automation Item 17: House Code and Unit Number
171 Automation Item 9: Miscellaneous Options	211 Automation Item 17: Miscellaneous Options
172 Automation Item 9: Schedule Assignment	212 Automation Item 17: Schedule Assignment
173 Automation Item 9: Mode Assignment	213 Automation Item 17: Mode Assignment
174 Automation Item 9: Schedule / Output Condition	214 Automation Item 17: Schedule / Output Condition

215 Automation Item 18: House Code and Unit Number
216 Automation Item 18: Miscellaneous Options
217 Automation Item 18: Schedule Assignment
218 Automation Item 18: Mode Assignment
219 Automation Item 18: Schedule / Output Condition

220 Automation Item 19: House Code and Unit Number
221 Automation Item 19: Miscellaneous Options
222 Automation Item 19: Schedule Assignment
223 Automation Item 19: Mode Assignment
224 Automation Item 19: Schedule / Output Condition

225 Automation Item 20: House Code and Unit Number
226 Automation Item 20: Miscellaneous Options
227 Automation Item 20: Schedule Assignment
228 Automation Item 20: Mode Assignment
229 Automation Item 20: Schedule / Output Condition

230 Automation Item 21: House Code and Unit Number
231 Automation Item 21: Miscellaneous Options
232 Automation Item 21: Schedule Assignment
233 Automation Item 21: Mode Assignment
234 Automation Item 21: Schedule / Output Condition

235 Automation Item 22: House Code and Unit Number
236 Automation Item 22: Miscellaneous Options
237 Automation Item 22: Schedule Assignment
238 Automation Item 22: Mode Assignment
239 Automation Item 22: Schedule / Output Condition

240 Automation Item 23: House Code and Unit Number
241 Automation Item 23: Miscellaneous Options
242 Automation Item 23: Schedule Assignment
243 Automation Item 23: Mode Assignment
244 Automation Item 23: Schedule / Output Condition

245 Automation Item 24: House Code and Unit Number
246 Automation Item 24: Miscellaneous Options
247 Automation Item 24: Schedule Assignment
248 Automation Item 24: Mode Assignment
249 Automation Item 24: Schedule / Output Condition

250 Automation Item 25: House Code and Unit Number
251 Automation Item 25: Miscellaneous Options
252 Automation Item 25: Schedule Assignment
253 Automation Item 25: Mode Assignment
254 Automation Item 25: Schedule / Output Condition

255 Automation Item 26: House Code and Unit Number
256 Automation Item 26: Miscellaneous Options
257 Automation Item 26: Schedule Assignment
258 Automation Item 26: Mode Assignment
259 Automation Item 26: Schedule / Output Condition

260 Automation Item 27: House Code and Unit Number
261 Automation Item 27: Miscellaneous Options
262 Automation Item 27: Schedule Assignment
263 Automation Item 27: Mode Assignment
264 Automation Item 27: Schedule / Output Condition

265 Automation Item 28: House Code and Unit Number
266 Automation Item 28: Miscellaneous Options
267 Automation Item 28: Schedule Assignment
268 Automation Item 28: Mode Assignment
269 Automation Item 28: Schedule / Output Condition

270 Automation Item 29: House Code and Unit Number
271 Automation Item 29: Miscellaneous Options
272 Automation Item 29: Schedule Assignment
273 Automation Item 29: Mode Assignment
274 Automation Item 29: Schedule / Output Condition

275 Automation Item 30: House Code and Unit Number
276 Automation Item 30: Miscellaneous Options
277 Automation Item 30: Schedule Assignment
278 Automation Item 30: Mode Assignment
279 Automation Item 30: Schedule / Output Condition

280 Automation Item 31: House Code and Unit Number
281 Automation Item 31: Miscellaneous Options
282 Automation Item 31: Schedule Assignment
283 Automation Item 31: Mode Assignment
284 Automation Item 31: Schedule / Output Condition

285 Automation Item 32: House Code and Unit Number
286 Automation Item 32: Miscellaneous Options
287 Automation Item 32: Schedule Assignment
288 Automation Item 32: Mode Assignment
289 Automation Item 32: Schedule / Output Condition

Programming Sections: Automation Item Pulse Timers

301 through 332 Automation Item Pulse Timers

Programming Sections 301 through 332 are used to program the Pulse Times for each Automation Item. The pulse time is programmable from 001 to 255 seconds. The Automation Pulse Times are enabled by turning OFF Option 06 in the Automation Item: Miscellaneous Options section; refer to Section 131 for information.

IMPORTANT NOTE: *The Automation Item Pulse Timers are not programmable through the DSC DLS-1 Version 5.6 Downloading Software.*

301 Automation Item 1: Pulse Timer
302 Automation Item 2: Pulse Timer
303 Automation Item 3: Pulse Timer
304 Automation Item 4: Pulse Timer
305 Automation Item 5: Pulse Timer
306 Automation Item 6: Pulse Timer
307 Automation Item 7: Pulse Timer
308 Automation Item 8: Pulse Timer
309 Automation Item 9: Pulse Timer
310 Automation Item 10: Pulse Timer
311 Automation Item 11: Pulse Timer
312 Automation Item 12: Pulse Timer
313 Automation Item 13: Pulse Timer
314 Automation Item 14: Pulse Timer
315 Automation Item 15: Pulse Timer
316 Automation Item 16: Pulse Timer

317 Automation Item 17: Pulse Timer
318 Automation Item 18: Pulse Timer
319 Automation Item 19: Pulse Timer
320 Automation Item 20: Pulse Timer
321 Automation Item 21: Pulse Timer
322 Automation Item 22: Pulse Timer
323 Automation Item 23: Pulse Timer
324 Automation Item 24: Pulse Timer
325 Automation Item 25: Pulse Timer
326 Automation Item 26: Pulse Timer
327 Automation Item 27: Pulse Timer
328 Automation Item 28: Pulse Timer
329 Automation Item 29: Pulse Timer
330 Automation Item 30: Pulse Timer
331 Automation Item 31: Pulse Timer
332 Automation Item 32: Pulse Timer

Programming Sections: Label Programming

Programming Sections 451 through 728 are used to program the voice prompt labels for the following:

- Automation Items
- Automation Modes
- Miscellaneous System Functions
- Partitions
- Zones

Each label can contain up to 6 words; refer to Programming Worksheets Appendix 2: Word Library for a list of available words. A word is assigned to a label by entering the word's 3-digit code in the label's programming section. Refer to Programming Label Entry Sections in the Programming section of this manual for instructions on programming labels.

Three special Number Commands are available to allow the system to include a number in the voice label. The Number Commands allow the system to announce the number in three different modes:

Label 000: Number Command 1, Combined Form. The number will be announced in its full form. For example, the number 401 would be announced as ***"four hundred and one"***.

Label 001: Number Command 2, Ordered Form. The number will be announced in a descriptive form. For example, the number 401 would be announced as ***"four hundred and first"***.

Label 002: Number Command 3, Individual Numbers. Each digit in the number will be announced individually. For example, the number 401 would be announced as ***"four zero one"***.

Using the Number Commands will require two of the six available word spaces; the first space is the Number Command (000, 001 or 002), and the second space is the 3-digit number to be read (from 000 to 999). Note that 000, 001 and 002 cannot be used as the sixth entry in a label.

451 through 482 Automation Item Labels

Enter up to six 3-digit label codes for the labels for Automation Items 1 through 32. Refer to the Programming Worksheets for the Programming Section for each Automation Item.

521 through 528 Automation Mode Labels

Enter up to six 3-digit label codes for the labels for Automation Modes 1 through 8. Refer to the Programming Worksheets for the Programming Section for each Automation Mode.

545 through 546 Miscellaneous System Labels

Enter up to six 3-digit label codes for the labels for the following system functions:

Section	Function
545	Sensor Reset
546	Door Strike

561 through 568 System Partition Labels

Enter up to six 3-digit label codes for the labels for Partitions 1 through 8. Refer to the Programming Worksheets for the Programming Section for each Partition.

601 through 728 System Zone Labels

Enter up to six 3-digit label codes for the labels for Zones 1 through 128. Refer to the Programming Worksheets for the Programming Section for each Zone.

Special Programming Sections

999 Reset to Factory Default Settings

To reset the Escort 4580 to the factory default programming, enter [*][8][Service Code][999]. The system will prompt

“Enter the Service Code”

Enter the Service Code. The system will prompt

“Enter the Section Number”

Enter [999]. The system will then prompt

“Factory Default in Progress”

When the system reset is complete, the system will prompt

“Factory Default is Complete”

NOTE: The Escort 4580 may also be reset using the PC4010 or PC4020 Escort 4580 Default function. Refer to the PC4010 or PC4020 Programming Manual for additional information.