NETWORX "OPERATOR"

INSTALLATION MANUAL

TABLE OF CONTENTS

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NETWORX "OPERATOR" NX-540

GENERAL DESCRIPTION

The CADDX NetworX "Operator" is a microcomputer controlled telephone interface module that may be added to NetworX control panels. The "Operator" converts any TouchTone telephone to a system keypad and allows system functions to be accessed via telephone on-premise or off-site. There are 48 separate zone descriptions that may be programmed to fit the owner's needs. In addition, the "Operator" will control up to thirty-two X-10 modules (requires only one X-10 Pro PSC04 Interface Module per NetworX system) with programmable descriptions for each. Each zone/output description is programmable using the 182-word Library List found on page 8.

ACCESSING THE OPERATOR

FROM A *PROTECTED* SITE: The "Operator" may be accessed from any TouchTone phone. Press **[✱][✱][✱]** to activate.

FROM AN *OFF-SITE* PREMISE: Call the phone number of the protected site. When the phone is answered, press **[#][#][#]** within the first 8 seconds. If a person or device such as a fax/answering machine answers the call, the "Operator" will come on the line when the person or machine hangs up. Otherwise, the "Operator" will automatically answer the call after it hears a pre-designated number of rings as programmed in location 0. The answering machine defeat function can be programmed in location 179 on page 8. The "Operator" will prompt for a valid user code: ***"Please enter your code".***

✍ **NOTE**: These access codes (**✱✱✱** and **###**) are programmable and can be changed in locations 177 and 178. Refer to page 5.

ENTERING THE PROGRAM MODE: The program mode is accessed through the keypad of a TouchTone phone by pressing [✱][**8**] once the "Operator" answers. The [✱] accesses the main MENU, and [8] accesses the programming mode.

- If accessing from the *protected* site, the "Operator" will now prompt for a program code: "***Enter your code***". (Factory default code is [**9**][**7**][**1**][**3**]. You are now in the Program Mode and ready to select the module to program.
- If accessing from an *off-site* premise, when the "Operator" prompts for a code, enter the download access code (Factory default code is 84800000). NOTE: Location 179 must be enabled for this function.

The "Operator" will now prompt for the module: "***Enter expander number followed by pound [#]***".

SELECTING THE MODULE TO PROGRAM: The module you are programming should be the first entry. To program the NX540 "Operator", enter [4][0][#]. The [4][0] is the module number of the NX540 and the [#] is the entry key. Other module numbers can be found in their corresponding manuals.

The "Operator" will now prompt you for a location to program: "***Enter location number followed by pound [#]***".

PROGRAMMING A LOCATION: Once the number of the module has been entered, any programming location can be accessed by directly entering the number of that specific location followed by [**#**].

EXITING A LOCATION: After the last segment of a location has been programmed, pressing [✱] will exit that location. The [✱] key must be pressed or the data will not be saved. To exit before the last segment, press [#]. As before, you are now ready to enter another programming location.

EXITING THE PROGRAM MODE: When all the desired changes in programming have been made, it is time to exit the Program Mode. Press [**9**][**3**][**0**][**#**] from a remote phone or **[EXIT] [EXIT]** from the keypad.

LOADING THE FACTORY DEFAULTS

To load the factory defaults, enter the Program Mode using the procedure described above, then type [**9**][**1**][**0**][**#**]. The loading takes approximately 10 seconds.

✍ Load factory defaults: **[9][1][0][#]**
Exit program mode: **[9][3][0][#]** from remote phone or **[EXIT] [EXIT]** from keypad
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ENROLLING THE NX-540

The NetworX control panels have the ability to automatically find and store in their memory the presence of all keypads, zone expanders, wireless receivers and any other module connected to the DATA terminal. This allows these modules to be supervised by the control panel. To enroll the NX-540 module, enter the Program Mode as previously described. When the Program Mode is exited, the NetworX control will automatically enroll the devices. The enrolling process takes about 12 seconds, during which time the "Service" LED will illuminate. User codes will not be accepted during the enrolling process. If a speaker is attached to the control panel, it will click at this time. If a siren or bell is attached to the control panel, it will sound for about 1 second. Once a module is enrolled, if it is not detected by the control, the "Service" LED will illuminate.

PROGRAMMING THE ZONES AND X-10 OUTPUTS

Location 0	Rings to Answer	(2 segments - numerical data)

Segment 1 contains the number of rings the NetworX "Operator" will wait before answering the telephone. Valid entries are 0-15, where 0 disables.

Segment 2 is Reserved.

Locations 1 - 48	Zone Descriptions	(8 segments - numerical data)

These locations contain the programming data for voice descriptions (characteristics) of zones 1 - 48. Each of the 48 locations/zones has a programmable message of 8 words maximum for each location.

Location 49	Output Description	(8 segments - numerical data)

Location 49 contains the programmable data for voice description (characteristic) of X-10 Output #1. This location allows a programmable message of 8 words maximum.

Location 50	Output Event/Zone/Time	(3 segments - numerical data)

Location 50 is used to select the particular function, zone number and time for X-10 Output #1 to trip.

Segment 1 (**EVENT**)   Selects the event that will trigger the X-10 output. Refer to the chart on the next page for the specific events that can be selected.

Segment 2 (**ZONE/USER**)   Selects the zone or user number necessary to trigger the X-10 output. If this location is programmed as a zero "0", any zone or user will activate the X-10 output.

Segment 3 (**TIME**)   Selects the amount of time the X-10 output will remain activated when triggered. If this location is programmed as a zero "0", the X-10 output will follow the particular event.

Table 1.1 Event Table

#		Event	#		Event	#		Event
0	√	Burglary Alarm	17		Alarm Memory	35		Telephone Line Fault
1	√	Fire Alarm	18		Entry	36		Program Mode
2	√	24 Hour Alarm	19		Exit	37		Download
3	√	Zone Trouble	20		Entry or Exit	38		Ground Fault
4	√	Zone Tamper	21		Armed	39		Over Current
5		Burglary Siren	22		Not Armed	40		Box Tamper
6		Fire Siren	23		Ready	41		Siren Tamper
7		Any Siren	24		Not Ready	42		Any Zone Faulted
8		Zone Bypass	25		Fire	43	√	Any Alarm
9		AC Failure	26		Fire Trouble	44		Keypad Beeping
10		System Low Battery	27		Chime	45	√	Code Entry
11	√	Duress	28	√	Expander Trouble	46	⊠	Key FOB Function 1
12	√	Manual Fire	29		Dynamic Battery Test	47	⊠	Key FOB Function 2
13	√	Aux 2 Keypad	30	❖	Open Schedule	48		Follow X10 Command
14	√	Keypad Panic	31	❖	Closed Schedule	49		Flash X-10 for Alarm Memory
15		Keypad Tamper	32		Listen In	50		Flash X-10 for Siren
16	√	Automatic Test	33		Line Seizure	51		Connected External
			34		Failed to Communicate	52		Follow NX540 Schedule

√ If set to follow condition, these events will be 1 second.
❖ See locations 52 & 53 in control panel.
⊠ Events 46 & 47 require NX-408, NX-416, or NX-448 wireless receivers to operate.

Location 51	Special Functions / Partitions	(2 segments -feature selection data)

Segment 1 selects the following special conditions for X-10 Output #1:

    LED 1 = "ON" if output should time in minutes; "OFF" if output times in seconds
    LED 2 = "ON" if output should latch until a code is entered.
    LED 3 = "ON" if output should reset if a code is entered while it is being timed. Default is "on".
    LED 4 = "ON" if output should only trigger during a closed schedule.
    LED 5 = "ON" if output should only trigger during an open schedule
    LED 6 = "ON" if output should be inverted.
    LED 7 = "ON" if output should not be described in the menu.

Segment 2 selects the following partitions for X-10 Output #1. Factory default is "on".
    LED 1 = "ON" if the event should activate when it occurs in Partition 1.
    LED 2 = "ON" if the event should activate when it occurs in Partition 2.
    LED 3 = "ON" if the event should activate when it occurs in Partition 3.
    LED 4 = "ON" if the event should activate when it occurs in Partition 4.
    LED 5 = "ON" if the event should activate when it occurs in Partition 5.
    LED 6 = "ON" if the event should activate when it occurs in Partition 6.
    LED 7 = "ON" if the event should activate when it occurs in Partition 7.
    LED 8 = "ON" if the event should activate when it occurs in Partition 8.

Location 52   **X-10 Address for Output 1**   (4 segments - numerical data)

Segment 1: Program a number (0 – 15) to represent the X-10 **Module Number** for X-10 Output #1 from the table below:

Module#	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Segment 1	**0**	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**

Segment 2: Program a number (0 – 15) to represent the X-10 **House Address** for X-10 Output #1 from the following table:

X-10 HOUSE ADDRESS CODES							
0 = A	2 = C	4 = E	6 = G	8 = I	10 = K	12 = M	14 = O
1 = B	3 = D	5 = F	7 = H	9 = J	11 = L	13 = N	15 = P

Segment 3: Program a number (0 – 15) to represent the **X10 Function Code** that is sent when the function is turned ON. Use the following table to determine the code to use. Factory default is 1.

Segment 4: Program a number (0 – 15) to represent the **X10 Function Code** that is sent when the function is turned OFF. Use the following table to determine the code to use. Factory default is 0.

X-10 FUNCTION CODES			
0 = OFF	2 = ALL UNITS OFF	4 = DIM	6 = ALL LIGHTS OFF
1 = ON	3 = ALL LIGHTS ON	5 = BRIGHT	7 – 15 = SUPPRESS command

Locations 53 - 176   **X-10 Address for Outputs 2-32**

Locations 53 through 176 are used to program X-10 Outputs #2 through 32. Each output has four locations that are programmed using the same steps as X-10 Output #1 described previously. These locations contain the following:

1) Description (Refer to the instructions in Location 49)
2) Event / Zone, User / Time (Refer to the instructions and table in Location 50)
3) Special Functions / Partitions (Refer to the instructions in Location 51)
4) X-10 Module / House Address (Refer to the instructions and tables in Location 52)

For example, X-10 Output #2 is programmed in Locations 53 – 56 while X-10 Output #32 is programmed in Locations 173 – 176. Refer to the programming worksheets beginning on page 9.

Location 177   **Internal Access**   (4 segments - numerical data)

This location contains the three or four-digit code used to access the NX-540 from the premise telephone (On-Site). The factory default is 11, 11, 11 = [✱][✱][✱].
                ✍ Important Notes: [✱] = 11   [#] = 12

Location 178   **External Access**   (4 segments - numerical data)

This location contains the three or four-digit code used to access the NX-540 *away* from the premise telephone (Off-Site). The factory default is 12, 12, 12 = [#][#][#].
                ✍ Important Notes: [✱] = 11   [#] = 12

| **Location 179** | **Feature and Partition Select** | (3 segments -feature selection data) |

Segment 1 contains special features that can be enabled with the NX-540. Factory defaults are "off".
- 1 = "ON" allows remote programming.
- 2 = "ON" enables emergency keys (Fire, Medical, and Panic).
- 3 = Reserved
- 4 = "ON" enables 2-call answering machine defeat.
- 5 = "ON" enables wait for answer machine on external access.
- 6 – 8 = Reserved

Segment 2 Reserved

Segment 3 selects the partitions that can be accessed through the "Operator". The factory default is all eight partitions "on".

1 = Partition 1	3 = Partition 3	5 = Partition 5	7 = Partition 7
2 = Partition 2	4 = Partition 4	6 = Partition 6	8 = Partition 8

| **Location 180** | **"Operator" Menu** | (3 segments -feature selection data) |

Segment 1 contains the functions that are to be included in the "Operator" MENU. This location also enables the partition functions, as well as the Home Control menu. *__NOTE__*: If any of the items 2, 3, 4, 6, 7,or 8 listed below are disabled, they will still perform as usual; they will simply not be included in the MENU. However, functions 1 and 5 will NOT perform if they are disabled. Factory defaults are "on".

- 1 = Enables "Change Area" function (✱ 1).
- 2 = Includes "Alarm Memory" function (✱ 3) in MENU.
- 3 = Includes "Test Siren" function (✱ 4) in MENU.
- 4 = Includes "Change Codes" function (✱ 5) in MENU.
- 5 = Enables "Home Control" function (✱ 6).
- 6 = Includes "Reset Smoke Detector" function (✱ 7) in MENU.
- 7 = Includes "Program System" function (✱ 8) in MENU.
- 8 = Include "Set Time" function (✱ 9 7) in MENU.

Segment 2 is used to enable/disable the Home Control functions. Factory defaults are "on".
- 1 = Enables "Lights Off" function (✱ 6 0) and "Lights On" function (✱ 6 1).
- 2 = Enables "Thermostat Control" function (✱ 6 2).

Segment 3 Reserved

| **Location 181** | **X-10 Signals** | (1 segment – numerical data) |

This location contains the number of times (0 – 15) the control panel will send an X-10 signal for dimming or reliability purposes. The default is 1.

| **Location 182** | **Answer Machine Defeat Timer** | (1 segment – numerical data) |

This location programs the number of seconds (0 – 15) the "Operator" is to listen for **[#][#][#]** to be entered after the premise phone line is picked up. If the answering machine defeat is enabled in Location 179, even if someone answers the phone the "Operator" is still waiting for the code. Factory default is 3 seconds.

| **Locations 183 - 188** | **Reserved** | |

| **Location 189** | **Schedule 1 Opening Time** | (2 segments - numerical data) |

This location contains the opening time of Schedule 1. Segment 1 contains the hour of the opening time in 24-hour format. (1:00 PM = 13) Segment 2 contains the minutes after the hour of the opening time.

Location 190   Schedule 1 Closing Time   (2 segments - numerical data)

This location contains the closing time of Schedule 1. Segment 1 contains the hour of the closing time in 24-hour format. (1:00 PM = 13)   Segment 2 contains the minutes after the hour of the closing time.

Location 191   Schedule 1 Days   (1 segment -feature selection data)

Use the following table to program the "days" for Schedule 1.

LED	DESCRIPTION	LED	DESCRIPTION
1	"ON" if the schedule is active on Sunday	5	"ON" if the schedule is active on Thursday
2	"ON" if the schedule is active on Monday	6	"ON" if the schedule is active on Friday
3	"ON" if the schedule is active on Tuesday	7	"ON" if the schedule is active on Saturday
4	"ON" if the schedule is active on Wednesday	8	Reserved

Location 192   Schedule 1 Function   (1 segment - numerical data)

Schedule 1 controls any one of the 32 X-10 Output functions previously entered in locations 49 through 176. Program a number from 1 to 32 corresponding to the output you desire for Schedule 1. See corresponding output "Special Functions", options #4 (closed schedule) and #5 (open schedule).

ocations 193 – 316   ichedules 2 - 32 Function

These locations contain Schedules 2 though 32. Each Schedule has four locations, which program the Opening Time, Closing Time, Days and Function respectively. For example, Schedule 2 is programmed in locations 193 through 196; and Schedule 32 is programmed in locations 313 through 316. Refer to instructions of locations 189 – 192, and programming worksheets for more details.

PROGRAMMING EXAMPLES

EXAMPLE 1: TURNS ON ENTRYWAY LIGHT UPON ENTRY ONLY DURING NIGHT. Have output #1 trip and activate an X-10 module with house code C and unit code 4 for 6 minutes when zone 1 is faulted only from 5:00PM to 9:00AM, program the following:

LOC	SEGMENT			
	1	2	3	4
50	42	1	6	
51	*1*			
	2			
	3			
	4			
	5			
	6			
	7			
	8			
52	3	2	1	0
189	9	0		
190	17	0		
191	*1*			
	2			
	3			
	4			
	5			
	6			
	7			
	8			

EXAMPLE 2: TURNS A DEVICE ON OR OFF DURING BUSINESS HOURS. Have output #5 trip and activate an X-10 module with a house code of P and a unit code of 8 from 9:00AM to 5:00PM Monday through Friday, but not at all on Saturday or Sunday, program the following:

LOC	SEGMENT			
	1	2	3	4
66	52	0	0	
67	1			
	2			
	3			
	4			
	5			
	6			
	7			
	8			
68	7	15	1	0
205	9	0		
206	17	0		

LIBRARY (NAME & NUMBER)

ZERO 0	BELL 49	HELP 98	SET 147
ONE...................... 1	BOX 50	HOME 99	SHOCK............... 148
TWO 2	BYPASS 51	INSERT.............. 100	SHOP................. 149
THREE.................. 3	BYPASSED 52	INSIDE 101	SIDE.................. 150
FOUR 4	CAN 53	INSTANT............ 102	SIREN................ 151
FIVE 5	CHIME................. 54	INTERIOR 103	SKYLIGHT 152
SIX....................... 6	CLOSET 55	IS 104	SLIDING 153
SEVEN 7	CODE 56	KEY................... 105	SMOKE 154
EIGHT 8	COMMUNICATE...... 57	KITCHEN............. 106	SOUTH............... 155
NINE..................... 9	COMPLETE 58	LIFT 107	STAIRS 156
TEN 10	CONTROL............. 59	LIGHT................ 108	START 157
ELEVEN 11	COOL 60	LINE.................. 109	STORAGE 158
TWELVE 12	DATA 61	LIST.................. 110	STUDY 159
THIRTEEN.............13	DELAY 62	LIVING 111	SUMMER 160
FOURTEEN............14	DEN 63	LOCATION........... 112	SYSTEM 161
FIFTEEN 15	DETECTOR 64	LOST 113	TAMPER 162
SIXTEEN...............16	DINING 65	LOW 114	TEMPERATURE 163
SEVENTEEN 17	DISARM............... 66	MASTER.............. 115	TEST 164
EIGHTEEN 18	DOOR.................. 67	MEDICAL............. 116	THE................... 165
NINETEEN 19	DOWN................. 68	MEMORY 117	TROUBLE............. 166
TWENTY 20	DURESS 69	MOTION............. 118	TURN................. 167
THIRTY 21	EAST................... 70	NEW.................. 119	TV..................... 168
FORTY..................22	EMERGENCY.......... 71	NIGHT 120	UP 169
FIFTY 23	END 72	NORTH 121	USE................... 170
SIXTY 24	ENTER................. 73	NOT 122	UTILITY.............. 171
SEVENTY 25	EXIT 74	NUMBER 123	VALID 172
EIGHTY 26	EXPANDER 75	NURSERY 124	VAULT 173
NINETY 27	EXTERIOR............ 76	OFF................... 125	WAREHOUSE 174
HUNDRED.............28	FAILURE 77	OFFICE 126	WEST 175
ACCESS 29	FAMILY................ 78	OLD 127	WINDOW............. 176
ACTIVE 30	FAN 79	ON 128	WINDOWS........... 177
AIRCONDITIONER.. 31	FAULT 80	OPEN................. 129	WINTER 178
ALARM 32	FAULTED 81	OPENING 130	WIRELESS 179
ALL......................33	FEATURES............ 82	OUTPUT 131	YARD................. 180
AM 34	FINISHED 83	OUTSIDE 132	ZONE................. 181
AND.....................35	FIRE.................... 84	OVERCURRENT 133	
AREA 36	FOLLOWED 85	PANIC................. 134	
ARMED.................37	FRONT................. 86	PARTITION 135	
ATTIC 38	GAME.................. 87	PHONE............... 136	
AUDIO 39	GARAGE 88	PM 137	
AUTHORIZED 40	GAS 89	POINT 138	
AUTO 41	GLASSBREAK 90	POWER 139	
AUTOMATIC 42	GROUND.............. 91	READY................ 140	
AUXILIARY............ 43	GROUP 92	REAR.................. 141	
BACK 44	GUEST 93	ROOM................. 142	
BASEMENT 45	HALL.................... 94	SAFE 143	
BATHROOM...........46	HALLWAY............. 95	SECURE 144	
BATTERY 47	HEAT................... 96	SECURITY 145	
BEDROOM 48	HEATING 97	SENSOR.............. 146	

NX-540 PROGRAMMING WORKSHEETS

LOC	DESCRIPTION	DATA1	DATA2	DATA3	DATA4	DATA5	DATA6	DATA7	DATA8
0	RINGS TO ANSWER								
1	ZONE 1 DESCRIPTION								
2	ZONE 2 DESCRIPTION								
3	ZONE 3 DESCRIPTION								
4	ZONE 4 DESCRIPTION								
5	ZONE 5 DESCRIPTION								
6	ZONE 6 DESCRIPTION								
7	ZONE 7 DESCRIPTION								
8	ZONE 8 DESCRIPTION								
9	ZONE 9 DESCRIPTION								
10	ZONE 10 DESCRIPTION								
11	ZONE 11 DESCRIPTION								
12	ZONE 12 DESCRIPTION								
13	ZONE 13 DESCRIPTION								
14	ZONE 14 DESCRIPTION								
15	ZONE 15 DESCRIPTION								
16	ZONE 16 DESCRIPTION								
17	ZONE 17 DESCRIPTION								
18	ZONE 18 DESCRIPTION								
19	ZONE 19 DESCRIPTION								
20	ZONE 20 DESCRIPTION								
21	ZONE 21 DESCRIPTION								
22	ZONE 22 DESCRIPTION								
23	ZONE 23 DESCRIPTION								
24	ZONE 24 DESCRIPTION								
25	ZONE 25 DESCRIPTION								
26	ZONE 26 DESCRIPTION								
27	ZONE 27 DESCRIPTION								
28	ZONE 28 DESCRIPTION								
29	ZONE 29 DESCRIPTION								
30	ZONE 30 DESCRIPTION								
31	ZONE 31 DESCRIPTION								
32	ZONE 32 DESCRIPTION								
33	ZONE 33 DESCRIPTION								
34	ZONE 34 DESCRIPTION								
35	ZONE 35 DESCRIPTION								
36	ZONE 36 DESCRIPTION								
37	ZONE 37 DESCRIPTION								
38	ZONE 38 DESCRIPTION								
39	ZONE 39 DESCRIPTION								

LOC	DESCRIPTION	DATA1	DATA2	DATA3	DATA4	DATA5	DATA6	DATA7	DATA8
40	ZONE 40 DESCRIPTION								
41	ZONE 41 DESCRIPTION								
42	ZONE 42 DESCRIPTION								
43	ZONE 43 DESCRIPTION								
44	ZONE 44 DESCRIPTION								
45	ZONE 45 DESCRIPTION								
46	ZONE 46 DESCRIPTION								
47	ZONE 47 DESCRIPTION								
48	ZONE 48 DESCRIPTION								

LOC	DESCRIPTION	DEFAULT	DATA
49	X-10 OUTPUT 1 DESCRIPTION	*108 1*	
50	X-10 OUTPUT 1 EVENT/ZONE/TIME	*48 0 0*	
51	X-10 OUTPUT 1 SPECIAL FUNCTIONS/PARTITIONS		

Segment 1
❏ 1 = "ON" if output should time in minutes; "OFF" if output times in seconds.
❏ 2 = "ON" if output should latch until a code is entered.
❏ *3 = "ON" if output should reset if a code is entered while it is being timed.*
❏ 4 = "ON" if output should only trigger during a closed schedule.
❏ 5 = "ON" if output should only trigger during an open schedule
❏ 6 = "ON" if output should be inverted.
❏ 7 = "ON" if output should not be described in the menu.

Segment 2
❏ *1 = Partition 1*
❏ *2 = Partition 2*
❏ *3 = Partition 3*
❏ *4 = Partition 4*
❏ *5 = Partition 5*
❏ *6 = Partition 6*
❏ *7 = Partition 7*
❏ *8 = Partition 8*

LOC		
52	X-10 OUTPUT 1 ADDRESS	

Segment 1 = Module Number — *0*
Segment 2 = House Code — *0*
Segment 3 = X10 Function Code if ON — *1*
Segment 4 = X10 Function Code if OFF — *0*

X-10 HOUSE ADDRESS CODES

0 = A	4 = E	8 = I	12 = M
1 = B	5 = F	9 = J	13 = N
2 = C	6 = G	10 = K	14 = O
3 = D	7 = H	11 = L	15 = P

X10 FUNCTION CODES

0 = Off	4 = Dim	6 = All
1 = On	5 = Bright	Lights Off
2 = All Units Off		7 – 15
3 = All Lights On		Suppress

LOC	DESCRIPTION	DEFAULT	DATA
53	X-10 OUTPUT 2 DESCRIPTION	*108 2*	
54	X-10 OUTPUT 2 EVENT/ZONE/TIME	*48 0 0*	
55	X-10 OUTPUT 2 SPECIAL FUNCTIONS/PARTITIONS		

Segment 1
❏ 1 = "ON" if output should time in minutes; "OFF" if output times in seconds.
❏ 2 = "ON" if output should latch until a code is entered.
❏ *3 = "ON" if output should reset if a code is entered while it is being timed.*
❏ 4 = "ON" if output should only trigger during a closed schedule.
❏ 5 = "ON" if output should only trigger during an open schedule
❏ 6 = "ON" if output should be inverted.
❏ 7 = "ON" if output should not be described in the menu.

Segment 2
❏ *1 = Partition 1*
❏ *2 = Partition 2*
❏ *3 = Partition 3*
❏ *4 = Partition 4*
❏ *5 = Partition 5*
❏ *6 = Partition 6*
❏ *7 = Partition 7*
❏ *8 = Partition 8*

LOC		
56	X-10 OUTPUT 2 ADDRESS	

Segment 1 = Module Number — *1*
Segment 2 = House Code — *0*
Segment 3 = X10 Function Code if ON — *1*
Segment 4 = X10 Function Code if OFF — *0*

LOC	DESCRIPTION	DEFAULT	DATA						
57	X-10 OUTPUT 3 DESCRIPTION	108 3							
58	X-10 OUTPUT 3 EVENT/ZONE/TIME	48 0 0						▨	

59	X-10 OUTPUT 3 SPECIAL FUNCTIONS/PARTITIONS

Segment 1	Segment 2
❏ 1 = "ON" if output should time in minutes; "OFF" if output times in seconds. ❏ 2 = "ON" if output should latch until a code is entered. ❏ **3 = "ON" if output should reset if a code is entered while it is being timed.** ❏ 4 = "ON" if output should only trigger during a closed schedule. ❏ 5 = "ON" if output should only trigger during an open schedule ❏ 6 = "ON" if output should be inverted. ❏ 7 = "ON" if output should not be described in the menu.	❏ **1 = Partition 1** ❏ **2 = Partition 2** ❏ **3 = Partition 3** ❏ **4 = Partition 4** ❏ **5 = Partition 5** ❏ **6 = Partition 6** ❏ **7 = Partition 7** ❏ **8 = Partition 8**

60	X-10 OUTPUT 3 ADDRESS

	DEFAULT	
Segment 1 = Module Number	**2**	
Segment 2 = House Code	**0**	▨
Segment 3 = X10 Function Code if ON	**1**	
Segment 4 = X10 Function Code if OFF	**0**	

LOC	DESCRIPTION	DEFAULT	DATA						
61	X-10 OUTPUT 4 DESCRIPTION	108 4							
62	X-10 OUTPUT 4 EVENT/ZONE/TIME	48 0 0						▨	

63	X-10 OUTPUT 4 SPECIAL FUNCTIONS/PARTITIONS

Segment 1	Segment 2
❏ 1 = "ON" if output should time in minutes; "OFF" if output times in seconds. ❏ 2 = "ON" if output should latch until a code is entered. ❏ **3 = "ON" if output should reset if a code is entered while it is being timed.** ❏ 4 = "ON" if output should only trigger during a closed schedule. ❏ 5 = "ON" if output should only trigger during an open schedule ❏ 6 = "ON" if output should be inverted. ❏ 7 = "ON" if output should not be described in the menu.	❏ **1 = Partition 1** ❏ **2 = Partition 2** ❏ **3 = Partition 3** ❏ **4 = Partition 4** ❏ **5 = Partition 5** ❏ **6 = Partition 6** ❏ **7 = Partition 7** ❏ **8 = Partition 8**

64	X-10 OUTPUT 4 ADDRESS

	DEFAULT	
Segment 1 = Module Number	**3**	
Segment 2 = House Code	**0**	▨
Segment 3 = X10 Function Code if ON	**1**	
Segment 4 = X10 Function Code if OFF	**0**	

LOC	DESCRIPTION	DEFAULT	DATA						
65	X-10 OUTPUT 5 DESCRIPTION	108 5							
66	X-10 OUTPUT 5 EVENT/ZONE/TIME	48 0 0						▨	

67	X-10 OUTPUT 5 SPECIAL FUNCTIONS/PARTITIONS

Segment 1	Segment 2
❏ 1 = "ON" if output should time in minutes; "OFF" if output times in seconds. ❏ 2 = "ON" if output should latch until a code is entered. ❏ **3 = "ON" if output should reset if a code is entered while it is being timed.** ❏ 4 = "ON" if output should only trigger during a closed schedule. ❏ 5 = "ON" if output should only trigger during an open schedule ❏ 6 = "ON" if output should be inverted. ❏ 7 = "ON" if output should not be described in the menu.	❏ **1 = Partition 1** ❏ **2 = Partition 2** ❏ **3 = Partition 3** ❏ **4 = Partition 4** ❏ **5 = Partition 5** ❏ **6 = Partition 6** ❏ **7 = Partition 7** ❏ **8 = Partition 8**

68	X-10 OUTPUT 5 ADDRESS

	DEFAULT	
Segment 1 = Module Number	**4**	
Segment 2 = House Code	**0**	▨
Segment 3 = X10 Function Code if ON	**1**	
Segment 4 = X10 Function Code if OFF	**0**	

LOC	DESCRIPTION	DEFAULT	DATA						
69	X-10 OUTPUT 6 DESCRIPTION	108 6							
70	X-10 OUTPUT 6 EVENT/ZONE/TIME	48 0 0						▨	

LOC	DESCRIPTION	DEFAULT	DATA
71	X-10 OUTPUT 6 SPECIAL FUNCTIONS/PARTITIONS		

Segment 1	Segment 2
❏ 1 = "ON" if output should time in minutes; "OFF" if output times in seconds. ❏ 2 = "ON" if output should latch until a code is entered. ❏ **3 = "ON" if output should reset if a code is entered while it is being timed.** ❏ 4 = "ON" if output should only trigger during a closed schedule. ❏ 5 = "ON" if output should only trigger during an open schedule ❏ 6 = "ON" if output should be inverted. ❏ 7 = "ON" if output should not be described in the menu.	❏ **1 = Partition 1** ❏ **2 = Partition 2** ❏ **3 = Partition 3** ❏ **4 = Partition 4** ❏ **5 = Partition 5** ❏ **6 = Partition 6** ❏ **7 = Partition 7** ❏ **8 = Partition 8**

LOC	DESCRIPTION	DEFAULT	DATA
72	X-10 OUTPUT 6 ADDRESS		
	Segment 1 = Module Number Segment 2 = House Code Segment 3 = X10 Function Code if ON Segment 4 = X10 Function Code if OFF	*5* *0* *1* *0*	
73	X-10 OUTPUT 7 DESCRIPTION	*108 7*	
74	X-10 OUTPUT 7 EVENT/ZONE/TIME	*48 0 0*	
75	X-10 OUTPUT 7 SPECIAL FUNCTIONS/PARTITIONS		

Segment 1	Segment 2
❏ 1 = "ON" if output should time in minutes; "OFF" if output times in seconds. ❏ 2 = "ON" if output should latch until a code is entered. ❏ **3 = "ON" if output should reset if a code is entered while it is being timed.** ❏ 4 = "ON" if output should only trigger during a closed schedule. ❏ 5 = "ON" if output should only trigger during an open schedule ❏ 6 = "ON" if output should be inverted. ❏ 7 = "ON" if output should not be described in the menu.	❏ **1 = Partition 1** ❏ **2 = Partition 2** ❏ **3 = Partition 3** ❏ **4 = Partition 4** ❏ **5 = Partition 5** ❏ **6 = Partition 6** ❏ **7 = Partition 7** ❏ **8 = Partition 8**

LOC	DESCRIPTION	DEFAULT	DATA
76	X-10 OUTPUT 7 ADDRESS		
	Segment 1 = Module Number Segment 2 = House Code Segment 3 = X10 Function Code if ON Segment 4 = X10 Function Code if OFF	*6* *0* *1* *0*	
77	X-10 OUTPUT 8 DESCRIPTION	*108 8*	
78	X-10 OUTPUT 8 EVENT/ZONE/TIME	*48 0 0*	
79	X-10 OUTPUT 8 SPECIAL FUNCTIONS/PARTITIONS		

Segment 1	Segment 2
❏ 1 = "ON" if output should time in minutes; "OFF" if output times in seconds. ❏ 2 = "ON" if output should latch until a code is entered. ❏ **3 = "ON" if output should reset if a code is entered while it is being timed.** ❏ 4 = "ON" if output should only trigger during a closed schedule. ❏ 5 = "ON" if output should only trigger during an open schedule ❏ 6 = "ON" if output should be inverted. ❏ 7 = "ON" if output should not be described in the menu.	❏ **1 = Partition 1** ❏ **2 = Partition 2** ❏ **3 = Partition 3** ❏ **4 = Partition 4** ❏ **5 = Partition 5** ❏ **6 = Partition 6** ❏ **7 = Partition 7** ❏ **8 = Partition 8**

LOC	DESCRIPTION	DEFAULT	DATA
80	X-10 OUTPUT 8 ADDRESS		
	Segment 1 = Module Number Segment 2 = House Code Segment 3 = X10 Function Code if ON Segment 4 = X10 Function Code if OFF	*7* *0* *1* *0*	
81	X-10 OUTPUT 9 DESCRIPTION	*108 9*	
82	X-10 OUTPUT 9 EVENT/ZONE/TIME	*48 0 0*	

LOC	DESCRIPTION	DEFAULT	DATA
83	X-10 OUTPUT 9 SPECIAL FUNCTIONS/PARTITIONS		

83 — X-10 OUTPUT 9 SPECIAL FUNCTIONS/PARTITIONS

Segment 1
- ❏ 1 = "ON" if output should time in minutes; "OFF" if output times in seconds.
- ❏ 2 = "ON" if output should latch until a code is entered.
- ❏ **3 = "ON" if output should reset if a code is entered while it is being timed.**
- ❏ 4 = "ON" if output should only trigger during a closed schedule.
- ❏ 5 = "ON" if output should only trigger during an open schedule
- ❏ 6 = "ON" if output should be inverted.
- ❏ 7 = "ON" if output should not be described in the menu.

Segment 2
- ❏ **1 = Partition 1**
- ❏ **2 = Partition 2**
- ❏ **3 = Partition 3**
- ❏ **4 = Partition 4**
- ❏ **5 = Partition 5**
- ❏ **6 = Partition 6**
- ❏ **7 = Partition 7**
- ❏ **8 = Partition 8**

84 — X-10 OUTPUT 9 ADDRESS

Segment	DEFAULT
Segment 1 = Module Number	**8**
Segment 2 = House Code	**0**
Segment 3 = X10 Function Code if ON	**1**
Segment 4 = X10 Function Code if OFF	**0**

LOC	DESCRIPTION	DEFAULT
85	X-10 OUTPUT 10 DESCRIPTION	**108 10**
86	X-10 OUTPUT 10 EVENT/ZONE/TIME	**48 0 0**

87 — X-10 OUTPUT 10 SPECIAL FUNCTIONS/PARTITIONS

Segment 1
- ❏ 1 = "ON" if output should time in minutes; "OFF" if output times in seconds.
- ❏ 2 = "ON" if output should latch until a code is entered.
- ❏ **3 = "ON" if output should reset if a code is entered while it is being timed.**
- ❏ 4 = "ON" if output should only trigger during a closed schedule.
- ❏ 5 = "ON" if output should only trigger during an open schedule
- ❏ 6 = "ON" if output should be inverted.
- ❏ 7 = "ON" if output should not be described in the menu.

Segment 2
- ❏ **1 = Partition 1**
- ❏ **2 = Partition 2**
- ❏ **3 = Partition 3**
- ❏ **4 = Partition 4**
- ❏ **5 = Partition 5**
- ❏ **6 = Partition 6**
- ❏ **7 = Partition 7**
- ❏ **8 = Partition 8**

88 — X-10 OUTPUT 10 ADDRESS

Segment	DEFAULT
Segment 1 = Module Number	**9**
Segment 2 = House Code	**0**
Segment 3 = X10 Function Code if ON	**1**
Segment 4 = X10 Function Code if OFF	**0**

LOC	DESCRIPTION	DEFAULT
89	X-10 OUTPUT 11 DESCRIPTION	**108 11**
90	X-10 OUTPUT 11 EVENT/ZONE/TIME	**48 0 0**

91 — X-10 OUTPUT 11 SPECIAL FUNCTIONS/PARTITIONS

Segment 1
- ❏ 1 = "ON" if output should time in minutes; "OFF" if output times in seconds.
- ❏ 2 = "ON" if output should latch until a code is entered.
- ❏ **3 = "ON" if output should reset if a code is entered while it is being timed.**
- ❏ 4 = "ON" if output should only trigger during a closed schedule.
- ❏ 5 = "ON" if output should only trigger during an open schedule
- ❏ 6 = "ON" if output should be inverted.
- ❏ 7 = "ON" if output should not be described in the menu.

Segment 2
- ❏ **1 = Partition 1**
- ❏ **2 = Partition 2**
- ❏ **3 = Partition 3**
- ❏ **4 = Partition 4**
- ❏ **5 = Partition 5**
- ❏ **6 = Partition 6**
- ❏ **7 = Partition 7**
- ❏ **8 = Partition 8**

92 — X-10 OUTPUT 11 ADDRESS

Segment	DEFAULT
Segment 1 = Module Number	**10**
Segment 2 = House Code	**0**
Segment 3 = X10 Function Code if ON	**1**
Segment 4 = X10 Function Code if OFF	**0**

LOC	DESCRIPTION	DEFAULT
93	X-10 OUTPUT 12 DESCRIPTION	**108 12**
94	X-10 OUTPUT 12 EVENT/ZONE/TIME	**48 0 0**

LOC	DESCRIPTION	DEFAULT	DATA
95	X-10 OUTPUT 12 SPECIAL FUNCTIONS/PARTITIONS		
	Segment 1 ❑ 1 = "ON" if output should time in minutes; "OFF" if output times in seconds. ❑ 2 = "ON" if output should latch until a code is entered. ❑ *3 = "ON" if output should reset if a code is entered while it is being timed.* ❑ 4 = "ON" if output should only trigger during a closed schedule. ❑ 5 = "ON" if output should only trigger during an open schedule ❑ 6 = "ON" if output should be inverted. ❑ 7 = "ON" if output should not be described in the menu.		Segment 2 ❑ *1 = Partition 1* ❑ *2 = Partition 2* ❑ *3 = Partition 3* ❑ *4 = Partition 4* ❑ *5 = Partition 5* ❑ *6 = Partition 6* ❑ *7 = Partition 7* ❑ *8 = Partition 8*
96	X-10 OUTPUT 12 ADDRESS		
	Segment 1 = Module Number Segment 2 = House Code Segment 3 = X10 Function Code if ON Segment 4 = X10 Function Code if OFF	*11* *0* *1* *0*	
97	X-10 OUTPUT 13 DESCRIPTION	*108 13*	
98	X-10 OUTPUT 13 EVENT/ZONE/TIME	*48 0 0*	
99	X-10 OUTPUT 13 SPECIAL FUNCTIONS/PARTITIONS		
	Segment 1 ❑ 1 = "ON" if output should time in minutes; "OFF" if output times in seconds. ❑ 2 = "ON" if output should latch until a code is entered. ❑ *3 = "ON" if output should reset if a code is entered while it is being timed.* ❑ 4 = "ON" if output should only trigger during a closed schedule. ❑ 5 = "ON" if output should only trigger during an open schedule ❑ 6 = "ON" if output should be inverted. ❑ 7 = "ON" if output should not be described in the menu.		Segment 2 ❑ *1 = Partition 1* ❑ *2 = Partition 2* ❑ *3 = Partition 3* ❑ *4 = Partition 4* ❑ *5 = Partition 5* ❑ *6 = Partition 6* ❑ *7 = Partition 7* ❑ *8 = Partition 8*
100	X-10 OUTPUT 13 ADDRESS		
	Segment 1 = Module Number Segment 2 = House Code Segment 3 = X10 Function Code if ON Segment 4 = X10 Function Code if OFF	*12* *0* *1* *0*	
101	X-10 OUTPUT 14 DESCRIPTION	*108 14*	
102	X-10 OUTPUT 14 EVENT/ZONE/TIME	*48 0 0*	
103	X-10 OUTPUT 14 SPECIAL FUNCTIONS/PARTITIONS		
	Segment 1 ❑ 1 = "ON" if output should time in minutes; "OFF" if output times in seconds. ❑ 2 = "ON" if output should latch until a code is entered. ❑ *3 = "ON" if output should reset if a code is entered while it is being timed.* ❑ 4 = "ON" if output should only trigger during a closed schedule. ❑ 5 = "ON" if output should only trigger during an open schedule ❑ 6 = "ON" if output should be inverted. ❑ 7 = "ON" if output should not be described in the menu.		Segment 2 ❑ *1 = Partition 1* ❑ *2 = Partition 2* ❑ *3 = Partition 3* ❑ *4 = Partition 4* ❑ *5 = Partition 5* ❑ *6 = Partition 6* ❑ *7 = Partition 7* ❑ *8 = Partition 8*
104	X-10 OUTPUT 14 ADDRESS		
	Segment 1 = Module Number Segment 2 = House Code Segment 3 = X10 Function Code if ON Segment 4 = X10 Function Code if OFF	*13* *0* *1* *0*	
105	X-10 OUTPUT 15 DESCRIPTION	*108 15*	
106	X-10 OUTPUT 15 EVENT/ZONE/TIME	*48 0 0*	

LOC	DESCRIPTION	DEFAULT	DATA
107	X-10 OUTPUT 15 SPECIAL FUNCTIONS/PARTITIONS		

Segment 1	Segment 2
❏ 1 = "ON" if output should time in minutes; "OFF" if output times in second s. ❏ 2 = "ON" if output should latch until a code is entered. ❏ **3 = "ON" if output should reset if a code is entered while it is being timed.** ❏ 4 = "ON" if output should only trigger during a closed schedule. ❏ 5 = "ON" if output should only trigger du ring an open schedule ❏ 6 = "ON" if output should be inverted. ❏ 7 = "ON" if output should not be described in the menu.	❏ **1 = Partition 1** ❏ **2 = Partition 2** ❏ **3 = Partition 3** ❏ **4 = Partition 4** ❏ **5 = Partition 5** ❏ **6 = Partition 6** ❏ **7 = Partition 7** ❏ **8 = Partition 8**

LOC	DESCRIPTION	DEFAULT	DATA
108	X-10 OUTPUT 15 ADDRESS		
	Segment 1 = Module Number Segment 2 = House Code Segment 3 = X10 Function Code if ON Segment 4 = X10 Function Code if OFF	*14* *0* *1* *0*	
109	X-10 OUTPUT 16 DESCRIPTION	*108 16*	
110	X-10 OUTPUT 16 EVENT/ZONE/TIME	*48 0 0*	
111	X-10 OUTPUT 16 SPECIAL FUNCTIONS/PARTITIONS		

Segment 1	Segment 2
❏ 1 = "ON" if output should time in m inutes; "OFF" if output times in seconds. ❏ 2 = "ON" if output should latch until a code is entered. ❏ **3 = "ON" if output should reset if a code is entered while it is being timed.** ❏ 4 = "ON" if output should only trigger during a closed schedule. ❏ 5 = "ON" if output should only trigger during an open schedule ❏ 6 = "ON" if output should be inverted. ❏ 7 = "ON" if output should not be described in the menu.	❏ **1 = Partition 1** ❏ **2 = Partition 2** ❏ **3 = Partition 3** ❏ **4 = Partition 4** ❏ **5 = Partition 5** ❏ **6 = Partition 6** ❏ **7 = Partition 7** ❏ **8 = Partition 8**

LOC	DESCRIPTION	DEFAULT	DATA
112	X-10 OUTPUT 16 ADDRESS		
	Segment 1 = Module Number Segment 2 = House Code Segment 3 = X10 Function Code if ON Segment 4 = X10 Function Code if OFF	*15* *0* *1* *0*	
113	X-10 OUTPUT 17 DESCRIPTION	*108 17*	
114	X-10 OUTPUT 17 EVENT/ZONE/TIME	*48 0 0*	
115	X-10 OUTPUT 17 SPECIAL FUNCTIONS/PARTITIONS		

Segment 1	Segment 2
❏ 1 = "ON" if output should time in m inutes; "OFF" if output times in seconds. ❏ 2 = "ON" if output should latch until a code is entered. ❏ **3 = "ON" if output should reset if a code is entered while it is being timed.** ❏ 4 = "ON" if output should only trigger during a closed schedule. ❏ 5 = "ON" if output should only trigger during an open schedule ❏ 6 = "ON" if output should be inverted. ❏ 7 = "ON" if output should not be described in the menu.	❏ **1 = Partition 1** ❏ **2 = Partition 2** ❏ **3 = Partition 3** ❏ **4 = Partition 4** ❏ **5 = Partition 5** ❏ **6 = Partition 6** ❏ **7 = Partition 7** ❏ **8 = Partition 8**

LOC	DESCRIPTION	DEFAULT	DATA
116	X-10 OUTPUT 17 ADDRESS		
	Segment 1 = Module Number Segment 2 = House Code Segment 3 = X10 Function Code if ON Segment 4 = X10 Function Code if OFF	*0* *1* *1* *0*	
117	X-10 OUTPUT 18 DESCRIPTION	*108 18*	
118	X-10 OUTPUT 18 EVENT/ZONE/TIME	*48 0 0*	

LOC	DESCRIPTION	DEFAULT	DATA
119	X-10 OUTPUT 18 SPECIAL FUNCTIONS/PARTITIONS		
	Segment 1 ❏ 1 = "ON" if output should time in minutes; "OFF" if output times in seconds. ❏ 2 = "ON" if output should latch until a code is entered. ❏ *3 = "ON" if output should reset if a code is entered while it is being timed.* ❏ 4 = "ON" if output should only trigger during a closed schedule. ❏ 5 = "ON" if output should only trigger during an open schedule ❏ 6 = "ON" if output should be inverted. ❏ 7 = "ON" if output should not be described in the menu.		Segment 2 ❏ *1 = Partition 1* ❏ *2 = Partition 2* ❏ *3 = Partition 3* ❏ *4 = Partition 4* ❏ *5 = Partition 5* ❏ *6 = Partition 6* ❏ *7 = Partition 7* ❏ *8 = Partition 8*
120	X-10 OUTPUT 18 ADDRESS		
	Segment 1 = Module Number Segment 2 = House Code Segment 3 = X10 Function Code if ON Segment 4 = X10 Function Code if OFF	*1* *1* *1* *0*	
121	X-10 OUTPUT 19 DESCRIPTION	*108 19*	
122	X-10 OUTPUT 19 EVENT/ZONE/TIME	*48 0 0*	
123	X-10 OUTPUT 19 SPECIAL FUNCTIONS/PARTITIONS		
	Segment 1 ❏ 1 = "ON" if output should time in minutes; "OFF" if output times in seconds. ❏ 2 = "ON" if output should latch until a code is entered. ❏ *3 = "ON" if output should reset if a code is entered while it is being timed.* ❏ 4 = "ON" if output should only trigger during a closed schedule. ❏ 5 = "ON" if output should only trigger during an open schedule ❏ 6 = "ON" if output should be inverted. ❏ 7 = "ON" if output should not be described in the menu.		Segment 2 ❏ *1 = Partition 1* ❏ *2 = Partition 2* ❏ *3 = Partition 3* ❏ *4 = Partition 4* ❏ *5 = Partition 5* ❏ *6 = Partition 6* ❏ *7 = Partition 7* ❏ *8 = Partition 8*
124	X-10 OUTPUT 19 ADDRESS		
	Segment 1 = Module Number Segment 2 = House Code Segment 3 = X10 Function Code if ON Segment 4 = X10 Function Code if OFF	*2* *1* *1* *0*	
125	X-10 OUTPUT 20 DESCRIPTION	*108 20*	
126	X-10 OUTPUT 20 EVENT/ZONE/TIME	*48 0 0*	
127	X-10 OUTPUT 20 SPECIAL FUNCTIONS/PARTITIONS		
	Segment 1 ❏ 1 = "ON" if output should time in minutes; "OFF" if output times in seconds. ❏ 2 = "ON" if output should latch until a code is entered. ❏ *3 = "ON" if output should reset if a code is entered while it is being timed.* ❏ 4 = "ON" if output should only trigger during a closed schedule. ❏ 5 = "ON" if output should only trigger during an open schedule ❏ 6 = "ON" if output should be inverted. ❏ 7 = "ON" if output should not be described in the menu.		Segment 2 ❏ *1 = Partition 1* ❏ *2 = Partition 2* ❏ *3 = Partition 3* ❏ *4 = Partition 4* ❏ *5 = Partition 5* ❏ *6 = Partition 6* ❏ *7 = Partition 7* ❏ *8 = Partition 8*
128	X-10 OUTPUT 20 ADDRESS		
	Segment 1 = Module Number Segment 2 = House Code Segment 3 = X10 Function Code if ON Segment 4 = X10 Function Code if OFF	*3* *1* *1* *0*	
129	X-10 OUTPUT 21 DESCRIPTION	*108 21*	
130	X-10 OUTPUT 21 EVENT/ZONE/TIME	*48 0 0*	

LOC	DESCRIPTION	DEFAULT	DATA

| **131** | X-10 OUTPUT 21 SPECIAL FUNCTIONS/PARTITIONS | | |

Segment 1
❑ 1 = "ON" if output should time in minutes; "OFF" if output times in seconds.
❑ 2 = "ON" if output should latch until a code is entered.
❑ **3 = "ON" if output should reset if a code is entered while it is being timed.**
❑ 4 = "ON" if output should only trigger during a closed schedule.
❑ 5 = "ON" if output should only trigger during an open schedule
❑ 6 = "ON" if output should be inverted.
❑ 7 = "ON" if output should not be described in the menu.

Segment 2
❑ **1 = Partition 1**
❑ **2 = Partition 2**
❑ **3 = Partition 3**
❑ **4 = Partition 4**
❑ **5 = Partition 5**
❑ **6 = Partition 6**
❑ **7 = Partition 7**
❑ **8 = Partition 8**

| **132** | X-10 OUTPUT 21 ADDRESS | | |

	Segment 1 = Module Number	*4*	
	Segment 2 = House Code	*1*	
	Segment 3 = X10 Function Code if ON	*1*	
	Segment 4 = X10 Function Code if OFF	*0*	

| **133** | X-10 OUTPUT 22 DESCRIPTION | *108 22* | |
| **134** | X-10 OUTPUT 22 EVENT/ZONE/TIME | *48 0 0* | |

| **135** | X-10 OUTPUT 22 SPECIAL FUNCTIONS/PARTITIONS | | |

Segment 1
❑ 1 = "ON" if output should time in minutes; "OFF" if output times in seconds.
❑ 2 = "ON" if output should latch until a code is entered.
❑ **3 = "ON" if output should reset if a code is entered while it is being timed.**
❑ 4 = "ON" if output should only trigger during a closed schedule.
❑ 5 = "ON" if output should only trigger during an open schedule
❑ 6 = "ON" if output should be inverted.
❑ 7 = "ON" if output should not be described in the menu.

Segment 2
❑ **1 = Partition 1**
❑ **2 = Partition 2**
❑ **3 = Partition 3**
❑ **4 = Partition 4**
❑ **5 = Partition 5**
❑ **6 = Partition 6**
❑ **7 = Partition 7**
❑ **8 = Partition 8**

| **136** | X-10 OUTPUT 22 ADDRESS | | |

	Segment 1 = Module Number	*5*	
	Segment 2 = House Code	*1*	
	Segment 3 = X10 Function Code if ON	*1*	
	Segment 4 = X10 Function Code if OFF	*0*	

| **137** | X-10 OUTPUT 23 DESCRIPTION | *108 23* | |
| **138** | X-10 OUTPUT 23 EVENT/ZONE/TIME | *48 0 0* | |

| **139** | X-10 OUTPUT 23 SPECIAL FUNCTIONS/PARTITIONS | | |

Segment 1
❑ 1 = "ON" if output should time in minutes; "OFF" if output times in seconds.
❑ 2 = "ON" if output should latch until a code is entered.
❑ **3 = "ON" if output should reset if a code is entered while it is being timed.**
❑ 4 = "ON" if output should only trigger during a closed schedule.
❑ 5 = "ON" if output should only trigger during an open schedule
❑ 6 = "ON" if output should be inverted.
❑ 7 = "ON" if output should not be described in the menu.

Segment 2
❑ **1 = Partition 1**
❑ **2 = Partition 2**
❑ **3 = Partition 3**
❑ **4 = Partition 4**
❑ **5 = Partition 5**
❑ **6 = Partition 6**
❑ **7 = Partition 7**
❑ **8 = Partition 8**

| **140** | X-10 OUTPUT 23 ADDRESS | | |

	Segment 1 = Module Number	*6*	
	Segment 2 = House Code	*1*	
	Segment 3 = X10 Function Code if ON	*1*	
	Segment 4 = X10 Function Code if OFF	*0*	

| **141** | X-10 OUTPUT 24 DESCRIPTION | *108 24* | |
| **142** | X-10 OUTPUT 24 EVENT/ZONE/TIME | *48 0 0* | |

LOC	DESCRIPTION	DEFAULT	DATA
143	X-10 OUTPUT 24 SPECIAL FUNCTIONS/PARTITIONS		
	Segment 1 ❑ 1 = "ON" if output should time in minutes; "OFF" if output times in seconds. ❑ 2 = "ON" if output should latch until a code is entered. ❑ **3 = "ON" if output should reset if a code is entered while it is being timed.** ❑ 4 = "ON" if output should only trigger during a closed schedule. ❑ 5 = "ON" if output should only trigger during an open schedule ❑ 6 = "ON" if output should be inverted. ❑ 7 = "ON" if output should not be described in the menu.		Segment 2 ❑ **1 = Partition 1** ❑ **2 = Partition 2** ❑ **3 = Partition 3** ❑ **4 = Partition 4** ❑ **5 = Partition 5** ❑ **6 = Partition 6** ❑ **7 = Partition 7** ❑ **8 = Partition 8**
144	X-10 OUTPUT 24 ADDRESS		
	Segment 1 = Module Number Segment 2 = House Code Segment 3 = X10 Function Code if ON Segment 4 = X10 Function Code if OFF	*7* *1* *1* *0*	
145	X-10 OUTPUT 25 DESCRIPTION	*108 25*	
146	X-10 OUTPUT 25 EVENT/ZONE/TIME	*48 0 0*	
147	X-10 OUTPUT 25 SPECIAL FUNCTIONS/PARTITIONS		
	Segment 1 ❑ 1 = "ON" if output should time in minutes; "OFF" if output times in seconds. ❑ 2 = "ON" if output should latch until a code is entered. ❑ **3 = "ON" if output should reset if a code is entered while it is being timed.** ❑ 4 = "ON" if output should only trigger during a closed schedule. ❑ 5 = "ON" if output should only trigger during an open schedule ❑ 6 = "ON" if output should be inverted. ❑ 7 = "ON" if output should not be described in the menu.		Segment 2 ❑ **1 = Partition 1** ❑ **2 = Partition 2** ❑ **3 = Partition 3** ❑ **4 = Partition 4** ❑ **5 = Partition 5** ❑ **6 = Partition 6** ❑ **7 = Partition 7** ❑ **8 = Partition 8**
148	X-10 OUTPUT 25 ADDRESS		
	Segment 1 = Module Number Segment 2 = House Code Segment 3 = X10 Function Code if ON Segment 4 = X10 Function Code if OFF	*8* *1* *1* *0*	
149	X-10 OUTPUT 26 DESCRIPTION	*108 26*	
150	X-10 OUTPUT 26 EVENT/ZONE/TIME	*48 0 0*	
151	X-10 OUTPUT 26 SPECIAL FUNCTIONS/PARTITIONS		
	Segment 1 ❑ 1 = "ON" if output should time in minutes; "OFF" if output times in seconds. ❑ 2 = "ON" if output should latch until a code is entered. ❑ **3 = "ON" if output should reset if a code is entered while it is being timed.** ❑ 4 = "ON" if output should only trigger during a closed schedule. ❑ 5 = "ON" if output should only trigger during an open schedule ❑ 6 = "ON" if output should be inverted. ❑ 7 = "ON" if output should not be described in the menu.		Segment 2 ❑ **1 = Partition 1** ❑ **2 = Partition 2** ❑ **3 = Partition 3** ❑ **4 = Partition 4** ❑ **5 = Partition 5** ❑ **6 = Partition 6** ❑ **7 = Partition 7** ❑ **8 = Partition 8**
152	X-10 OUTPUT 26 ADDRESS		
	Segment 1 = Module Number Segment 2 = House Code Segment 3 = X10 Function Code if ON Segment 4 = X10 Function Code if OFF	*9* *1* *1* *0*	
153	X-10 OUTPUT 27 DESCRIPTION	*108 27*	
154	X-10 OUTPUT 27 EVENT/ZONE/TIME	*48 0 0*	

LOC	DESCRIPTION	DEFAULT	DATA
155	X-10 OUTPUT 27 SPECIAL FUNCTIONS/PARTITIONS		
	Segment 1 ❏ 1 = "ON" if output should time in minutes; "OFF" if output times in seconds. ❏ 2 = "ON" if output should latch until a code is entered. ❏ **3 = "ON" if output should reset if a code is entered while it is being timed.** ❏ 4 = "ON" if output should only trigger during a closed schedule. ❏ 5 = "ON" if output should only trigger during an open schedule ❏ 6 = "ON" if output should be inverted. ❏ 7 = "ON" if output should not be described in the menu.		Segment 2 ❏ **1 = Partition 1** ❏ **2 = Partition 2** ❏ **3 = Partition 3** ❏ **4 = Partition 4** ❏ **5 = Partition 5** ❏ **6 = Partition 6** ❏ **7 = Partition 7** ❏ **8 = Partition 8**
156	X-10 OUTPUT 27 ADDRESS		
	Segment 1 = Module Number Segment 2 = House Code Segment 3 = X10 Function Code if ON Segment 4 = X10 Function Code if OFF	*10* *1* *1* *0*	
157	X-10 OUTPUT 28 DESCRIPTION	*108 28*	
158	X-10 OUTPUT 28 EVENT/ZONE/TIME	*48 0 0*	
159	X-10 OUTPUT 28 SPECIAL FUNCTIONS/PARTITIONS		
	Segment 1 ❏ 1 = "ON" if output should time in minutes; "OFF" if output times in seconds. ❏ 2 = "ON" if output should latch until a code is entered. ❏ **3 = "ON" if output should reset if a code is entered while it is being timed.** ❏ 4 = "ON" if output should only trigger during a closed schedule. ❏ 5 = "ON" if output should only trigger during an open schedule ❏ 6 = "ON" if output should be inverted. ❏ 7 = "ON" if output should not be described in the menu.		Segment 2 ❏ **1 = Partition 1** ❏ **2 = Partition 2** ❏ **3 = Partition 3** ❏ **4 = Partition 4** ❏ **5 = Partition 5** ❏ **6 = Partition 6** ❏ **7 = Partition 7** ❏ **8 = Partition 8**
160	X-10 OUTPUT 28 ADDRESS		
	Segment 1 = Module Number Segment 2 = House Code Segment 3 = X10 Function Code if ON Segment 4 = X10 Function Code if OFF	*11* *1* *1* *0*	
161	X-10 OUTPUT 29 DESCRIPTION	*108 29*	
162	X-10 OUTPUT 29 EVENT/ZONE/TIME	*48 0 0*	
163	X-10 OUTPUT 29 SPECIAL FUNCTIONS/PARTITIONS		
	Segment 1 ❏ 1 = "ON" if output should time in minutes; "OFF" if output times in seconds. ❏ 2 = "ON" if output should latch until a code is entered. ❏ **3 = "ON" if output should reset if a code is entered while it is being timed.** ❏ 4 = "ON" if output should only trigger during a closed schedule. ❏ 5 = "ON" if output should only trigger during an open schedule ❏ 6 = "ON" if output should be inverted. ❏ 7 = "ON" if output should not be described in the menu.		Segment 2 ❏ **1 = Partition 1** ❏ **2 = Partition 2** ❏ **3 = Partition 3** ❏ **4 = Partition 4** ❏ **5 = Partition 5** ❏ **6 = Partition 6** ❏ **7 = Partition 7** ❏ **8 = Partition 8**
164	X-10 OUTPUT 29 ADDRESS		
	Segment 1 = Module Number Segment 2 = House Code Segment 3 = X10 Function Code if ON Segment 4 = X10 Function Code if OFF	*12* *1* *1* *0*	
165	X-10 OUTPUT 30 DESCRIPTION	*108 30*	
166	X-10 OUTPUT 30 EVENT/ZONE/TIME	*48 0 0*	

LOC	DESCRIPTION	DEFAULT	DATA
167	X-10 OUTPUT 30 SPECIAL FUNCTIONS/PARTITIONS		
	Segment 1 ❏ 1 = "ON" if output should time in minutes; "OFF" if output times in seconds. ❏ 2 = "ON" if output should latch until a code is entered. ❏ **3 = "ON" if output should reset if a code is entered while it is being timed.** ❏ 4 = "ON" if output should only trigger during a closed schedule. ❏ 5 = "ON" if output should only trigger during an open schedule ❏ 6 = "ON" if output should be inverted. ❏ 7 = "ON" if output should not be described in the menu.		Segment 2 ❏ **1 = Partition 1** ❏ **2 = Partition 2** ❏ **3 = Partition 3** ❏ **4 = Partition 4** ❏ **5 = Partition 5** ❏ **6 = Partition 6** ❏ **7 = Partition 7** ❏ **8 = Partition 8**
168	X-10 OUTPUT 30 ADDRESS		
	Segment 1 = Module Number Segment 2 = House Code Segment 3 = X10 Function Code if ON Segment 4 = X10 Function Code if OFF	*13* *1* *1* *0*	
169	X-10 OUTPUT 31 DESCRIPTION	*108 31*	
170	X-10 OUTPUT 31 EVENT/ZONE/TIME	*48 0 0*	
171	X-10 OUTPUT 31 SPECIAL FUNCTIONS/PARTITIONS		
	Segment 1 ❏ 1 = "ON" if output should time in minutes; "OFF" if output times in seconds. ❏ 2 = "ON" if output should latch until a code is entered. ❏ **3 = "ON" if output should reset if a code is entered while it is being timed.** ❏ 4 = "ON" if output should only trigger during a closed schedule. ❏ 5 = "ON" if output should only trigger during an open schedule ❏ 6 = "ON" if output should be inverted. ❏ 7 = "ON" if output should not be described in the menu.		Segment 2 ❏ **1 = Partition 1** ❏ **2 = Partition 2** ❏ **3 = Partition 3** ❏ **4 = Partition 4** ❏ **5 = Partition 5** ❏ **6 = Partition 6** ❏ **7 = Partition 7** ❏ **8 = Partition 8**
172	X-10 OUTPUT 31 ADDRESS		
	Segment 1 = Module Number Segment 2 = House Code Segment 3 = X10 Function Code if ON Segment 4 = X10 Function Code if OFF	*14* *1* *1* *0*	
173	X-10 OUTPUT 32 DESCRIPTION	*108 32*	
174	X-10 OUTPUT 32 EVENT/ZONE/TIME	*48 0 0*	
175	X-10 OUTPUT 32 SPECIAL FUNCTIONS/PARTITIONS		
	Segment 1 ❏ 1 = "ON" if output should time in minutes; "OFF" if output times in seconds. ❏ 2 = "ON" if output should latch until a code is entered. ❏ **3 = "ON" if output should reset if a code is entered while it is being timed.** ❏ 4 = "ON" if output should only trigger during a closed schedule. ❏ 5 = "ON" if output should only trigger during an open schedule ❏ 6 = "ON" if output should be inverted. ❏ 7 = "ON" if output should not be described in the menu.		Segment 2 ❏ **1 = Partition 1** ❏ **2 = Partition 2** ❏ **3 = Partition 3** ❏ **4 = Partition 4** ❏ **5 = Partition 5** ❏ **6 = Partition 6** ❏ **7 = Partition 7** ❏ **8 = Partition 8**
176	X-10 OUTPUT 32 ADDRESS		
	Segment 1 = Module Number Segment 2 = House Code Segment 3 = X10 Function Code if ON Segment 4 = X10 Function Code if OFF	*15* *1* *1* *0*	
177	INTERNAL ACCESS	✱ ✱ ✱	
178	EXTERNAL ACCESS	# # #	

LOC	DESCRIPTION	DEFAULT	DATA

LOC	DESCRIPTION	DEFAULT			DATA
179	FEATURE AND PARTITION SELECT				

179 — FEATURE AND PARTITION SELECT

Segment 1	Segment 3

❏ 1 = "ON" if allow remote programming
❏ 2 = "ON" if enable emergency keys
   3 = Reserved
❏ 4 = "ON" if enable 2-call answering machine defeat
❏ 5 = "ON" if enable wait for answering machine on external access
   6-8 Reserved
	❏ *1 = Partition 1*
	❏ *2 = Partition 2*
	❏ *3 = Partition 3*
	❏ *4 = Partition 4*
	❏ *5 = Partition 5*
	❏ *6 = Partition 6*
	❏ *7 = Partition 7*
	❏ *8 = Partition 8*

Segment 2 RESERVED	

180 — "OPERATOR" MENU

Segment 1	Segment 2

❏ 1 = Enables "Change Area" function (✱1).
❏ 2 = Includes "Alarm Memory" function (✱3) in MENU.
❏ 3 = Includes "Test Siren" function (✱4) in MENU.
❏ 4 = Includes "Change Codes" function (✱5) in MENU.
❏ 5 = Enables "Home Control" function (✱6).
❏ 6 = Includes "Reset Smoke Detector" function (✱7) in MENU.
❏ 7 = Includes "Program System" function (✱8) in MENU.
❏ 8 = Include "Set Time" function (✱97) in MENU.
	1 = Enables "Light Control" function
	   (✱ 6 0) and (✱ 6 1).
	2 = Enables "Thermostat Control"
	   (✱ 6 2).
	3-8 = Reserved
	
	Segment 3 RESERVED

LOC	DESCRIPTION	DEFAULT	DATA
181	NUMBER OF X-10 SIGNALS	**1**	
182	ANSWER MACHINE DEFEAT TIMER	**3**	
183-188	RESERVED		
189	SCHEDULE 1 OPENING TIME	*8 - 0*	
190	SCHEDULE 1 CLOSING TIME	*20 - 0*	
191	SCHEDULE 1 DAYS		

1 = Sunday ❏	*5 = Thursday ❏*
2 = Monday ❏	*6 = Friday ❏*
3 = Tuesday ❏	7 = Saturday ❏
4 = Wednesday ❏	8 = Reserved

LOC	DESCRIPTION	DEFAULT	DATA
192	SCHEDULE 1 FUNCTION	*1*	
193	SCHEDULE 2 OPENING TIME	*8 - 0*	
194	SCHEDULE 2 CLOSING TIME	*20 - 0*	
195	SCHEDULE 2 DAYS		

1 = Sunday ❏	*5 = Thursday ❏*
2 = Monday ❏	*6 = Friday ❏*
3 = Tuesday ❏	7 = Saturday ❏
4 = Wednesday ❏	8 = Reserved

LOC	DESCRIPTION	DEFAULT	DATA
196	SCHEDULE 2 FUNCTION	*2*	
197	SCHEDULE 3 OPENING TIME	*8 - 0*	
198	SCHEDULE 3 CLOSING TIME	*20 - 0*	
199	SCHEDULE 3 DAYS		

1 = Sunday ❏	*5 = Thursday ❏*
2 = Monday ❏	*6 = Friday ❏*
3 = Tuesday ❏	7 = Saturday ❏
4 = Wednesday ❏	8 = Reserved

LOC	DESCRIPTION	DEFAULT	DATA
200	SCHEDULE 3 FUNCTION	*3*	
201	SCHEDULE 4 OPENING TIME	*8 - 0*	
202	SCHEDULE 4 CLOSING TIME	*20 - 0*	

LOC	DESCRIPTION	DEFAULT	DATA
203	SCHEDULE 4 DAYS		
	1 = Sunday ❑ 5 = Thursday ❑ 2 = Monday ❑ 6 = Friday ❑ 3 = Tuesday ❑ 7 = Saturday ❑ 4 = Wednesday ❑ 8 = Reserved		
204	SCHEDULE 4 FUNCTION	4	
205	SCHEDULE 5 OPENING TIME	8 - 0	
206	SCHEDULE 5 CLOSING TIME	20 - 0	
207	SCHEDULE 5 DAYS		
	1 = Sunday ❑ 5 = Thursday ❑ 2 = Monday ❑ 6 = Friday ❑ 3 = Tuesday ❑ 7 = Saturday ❑ 4 = Wednesday ❑ 8 = Reserved		
208	SCHEDULE 5 FUNCTION	5	
209	SCHEDULE 6 OPENING TIME	8 - 0	
210	SCHEDULE 6 CLOSING TIME	20 - 0	
211	SCHEDULE 6 DAYS		
	1 = Sunday ❑ 5 = Thursday ❑ 2 = Monday ❑ 6 = Friday ❑ 3 = Tuesday ❑ 7 = Saturday ❑ 4 = Wednesday ❑ 8 = Reserved		
212	SCHEDULE 6 FUNCTION	6	
213	SCHEDULE 7 OPENING TIME	8 - 0	
214	SCHEDULE 7 CLOSING TIME	20 - 0	
215	SCHEDULE 7 DAYS		
	1 = Sunday ❑ 5 = Thursday ❑ 2 = Monday ❑ 6 = Friday ❑ 3 = Tuesday ❑ 7 = Saturday ❑ 4 = Wednesday ❑ 8 = Reserved		
216	SCHEDULE 7 FUNCTION	7	
217	SCHEDULE 8 OPENING TIME	8 - 0	
218	SCHEDULE 8 CLOSING TIME	20 - 0	
219	SCHEDULE 8 DAYS		
	1 = Sunday ❑ 5 = Thursday ❑ 2 = Monday ❑ 6 = Friday ❑ 3 = Tuesday ❑ 7 = Saturday ❑ 4 = Wednesday ❑ 8 = Reserved		
220	SCHEDULE 8 FUNCTION	8	
221	SCHEDULE 9 OPENING TIME	8 - 0	
222	SCHEDULE 9 CLOSING TIME	20 - 0	
223	SCHEDULE 9 DAYS		
	1 = Sunday ❑ 5 = Thursday ❑ 2 = Monday ❑ 6 = Friday ❑ 3 = Tuesday ❑ 7 = Saturday ❑ 4 = Wednesday ❑ 8 = Reserved		
224	SCHEDULE 9 FUNCTION	9	
225	SCHEDULE 10 OPENING TIME	8 - 0	
226	SCHEDULE 10 CLOSING TIME	20 - 0	

LOC	DESCRIPTION	DEFAULT	DATA
227	SCHEDULE 10 DAYS		
	1 = Sunday ❏ 2 = Monday ❏ 3 = Tuesday ❏ 4 = Wednesday ❏	5 = Thursday ❏ 6 = Friday ❏ 7 = Saturday ❏ 8 = Reserved	
228	SCHEDULE 10 FUNCTION	10	
229	SCHEDULE 11 OPENING TIME	8 - 0	
230	SCHEDULE 11 CLOSING TIME	20 - 0	
231	SCHEDULE 11 DAYS		
	1 = Sunday ❏ 2 = Monday ❏ 3 = Tuesday ❏ 4 = Wednesday ❏	5 = Thursday ❏ 6 = Friday ❏ 7 = Saturday ❏ 8 = Reserved	
232	SCHEDULE 11 FUNCTION	11	
233	SCHEDULE 12 OPENING TIME	8 - 0	
234	SCHEDULE 12 CLOSING TIME	20 - 0	
235	SCHEDULE 12 DAYS		
	1 = Sunday ❏ 2 = Monday ❏ 3 = Tuesday ❏ 4 = Wednesday ❏	5 = Thursday ❏ 6 = Friday ❏ 7 = Saturday ❏ 8 = Reserved	
236	SCHEDULE 12 FUNCTION	12	
237	SCHEDULE 13 OPENING TIME	8 - 0	
238	SCHEDULE 13 CLOSING TIME	20 - 0	
239	SCHEDULE 13 DAYS		
	1 = Sunday ❏ 2 = Monday ❏ 3 = Tuesday ❏ 4 = Wednesday ❏	5 = Thursday ❏ 6 = Friday ❏ 7 = Saturday ❏ 8 = Reserved	
240	SCHEDULE 13 FUNCTION	13	
241	SCHEDULE 14 OPENING TIME	8 - 0	
242	SCHEDULE 14 CLOSING TIME	20 - 0	
243	SCHEDULE 14 DAYS		
	1 = Sunday ❏ 2 = Monday ❏ 3 = Tuesday ❏ 4 = Wednesday ❏	5 = Thursday ❏ 6 = Friday ❏ 7 = Saturday ❏ 8 = Reserved	
244	SCHEDULE 14 FUNCTION	14	
245	SCHEDULE 15 OPENING TIME	8 - 0	
246	SCHEDULE 15 CLOSING TIME	20 - 0	
247	SCHEDULE 15 DAYS		
	1 = Sunday ❏ 2 = Monday ❏ 3 = Tuesday ❏ 4 = Wednesday ❏	5 = Thursday ❏ 6 = Friday ❏ 7 = Saturday ❏ 8 = Reserved	
248	SCHEDULE 15 FUNCTION	15	
249	SCHEDULE 16 OPENING TIME	8 - 0	
250	SCHEDULE 16 CLOSING TIME	20 - 0	

LOC	DESCRIPTION	DEFAULT	DATA
251	SCHEDULE 16 DAYS		
	1 = Sunday ❏ 2 = Monday ❏ 3 = Tuesday ❏ 4 = Wednesday ❏ 5 = Thursday ❏ 6 = Friday ❏ 7 = Saturday ❏ 8 = Reserved		
252	SCHEDULE 16 FUNCTION	16	
253	SCHEDULE 17 OPENING TIME	8 - 0	
254	SCHEDULE 17 CLOSING TIME	20 - 0	
255	SCHEDULE 17 DAYS		
	1 = Sunday ❏ 2 = Monday ❏ 3 = Tuesday ❏ 4 = Wednesday ❏ 5 = Thursday ❏ 6 = Friday ❏ 7 = Saturday ❏ 8 = Reserved		
256	SCHEDULE 17 FUNCTION	17	
257	SCHEDULE 18 OPENING TIME	8 - 0	
258	SCHEDULE 18 CLOSING TIME	20 - 0	
259	SCHEDULE 18 DAYS		
	1 = Sunday ❏ 2 = Monday ❏ 3 = Tuesday ❏ 4 = Wednesday ❏ 5 = Thursday ❏ 6 = Friday ❏ 7 = Saturday ❏ 8 = Reserved		
260	SCHEDULE 18 FUNCTION	18	
261	SCHEDULE 19 OPENING TIME	8 - 0	
262	SCHEDULE 19 CLOSING TIME	20 - 0	
263	SCHEDULE 19 DAYS		
	1 = Sunday ❏ 2 = Monday ❏ 3 = Tuesday ❏ 4 = Wednesday ❏ 5 = Thursday ❏ 6 = Friday ❏ 7 = Saturday ❏ 8 = Reserved		
264	SCHEDULE 19 FUNCTION	19	
265	SCHEDULE 20 OPENING TIME	8 - 0	
266	SCHEDULE 20 CLOSING TIME	20 - 0	
267	SCHEDULE 20 DAYS		
	1 = Sunday ❏ 2 = Monday ❏ 3 = Tuesday ❏ 4 = Wednesday ❏ 5 = Thursday ❏ 6 = Friday ❏ 7 = Saturday ❏ 8 = Reserved		
268	SCHEDULE 20 FUNCTION	20	
269	SCHEDULE 21 OPENING TIME	8 - 0	
270	SCHEDULE 21 CLOSING TIME	20 - 0	
271	SCHEDULE 21 DAYS		
	1 = Sunday ❏ 2 = Monday ❏ 3 = Tuesday ❏ 4 = Wednesday ❏ 5 = Thursday ❏ 6 = Friday ❏ 7 = Saturday ❏ 8 = Reserved		
272	SCHEDULE 21 FUNCTION	21	
273	SCHEDULE 22 OPENING TIME	8 - 0	
274	SCHEDULE 22 CLOSING TIME	20 - 0	

LOC	DESCRIPTION	DEFAULT	DATA
275	SCHEDULE 22 DAYS		
	1 = Sunday ❑ 5 = Thursday ❑ 2 = Monday ❑ 6 = Friday ❑ 3 = Tuesday ❑ 7 = Saturday ❑ 4 = Wednesday ❑ 8 = Reserved		
276	SCHEDULE 22 FUNCTION	22	
277	SCHEDULE 23 OPENING TIME	8 - 0	
278	SCHEDULE 23 CLOSING TIME	20 - 0	
279	SCHEDULE 23 DAYS		
	1 = Sunday ❑ 5 = Thursday ❑ 2 = Monday ❑ 6 = Friday ❑ 3 = Tuesday ❑ 7 = Saturday ❑ 4 = Wednesday ❑ 8 = Reserved		
280	SCHEDULE 23 FUNCTION	23	
281	SCHEDULE 24 OPENING TIME	8 - 0	
282	SCHEDULE 24 CLOSING TIME	20 - 0	
283	SCHEDULE 24 DAYS		
	1 = Sunday ❑ 5 = Thursday ❑ 2 = Monday ❑ 6 = Friday ❑ 3 = Tuesday ❑ 7 = Saturday ❑ 4 = Wednesday ❑ 8 = Reserved		
284	SCHEDULE 24 FUNCTION	24	
285	SCHEDULE 25 OPENING TIME	8 - 0	
286	SCHEDULE 25 CLOSING TIME	20 - 0	
287	SCHEDULE 25 DAYS		
	1 = Sunday ❑ 5 = Thursday ❑ 2 = Monday ❑ 6 = Friday ❑ 3 = Tuesday ❑ 7 = Saturday ❑ 4 = Wednesday ❑ 8 = Reserved		
288	SCHEDULE 25 FUNCTION	25	
289	SCHEDULE 26 OPENING TIME	8 - 0	
290	SCHEDULE 26 CLOSING TIME	20 - 0	
291	SCHEDULE 26 DAYS		
	1 = Sunday ❑ 5 = Thursday ❑ 2 = Monday ❑ 6 = Friday ❑ 3 = Tuesday ❑ 7 = Saturday ❑ 4 = Wednesday ❑ 8 = Reserved		
292	SCHEDULE 26 FUNCTION	26	
293	SCHEDULE 27 OPENING TIME	8 - 0	
294	SCHEDULE 27 CLOSING TIME	20 - 0	
295	SCHEDULE 27 DAYS		
	1 = Sunday ❑ 5 = Thursday ❑ 2 = Monday ❑ 6 = Friday ❑ 3 = Tuesday ❑ 7 = Saturday ❑ 4 = Wednesday ❑ 8 = Reserved		
296	SCHEDULE 27 FUNCTION	27	
297	SCHEDULE 28 OPENING TIME	8 - 0	
298	SCHEDULE 28 CLOSING TIME	20 - 0	

LOC	DESCRIPTION	DEFAULT	DATA
299	SCHEDULE 28 DAYS		
	1 = Sunday ❑ *2 = Monday* ❑ *3 = Tuesday* ❑ *4 = Wednesday* ❑	*5 = Thursday* ❑ *6 = Friday* ❑ 7 = Saturday ❑ 8 = Reserved	
300	SCHEDULE 28 FUNCTION	*28*	
301	SCHEDULE 29 OPENING TIME	*8 - 0*	
302	SCHEDULE 29 CLOSING TIME	*20 - 0*	
303	SCHEDULE 29 DAYS		
	1 = Sunday ❑ *2 = Monday* ❑ *3 = Tuesday* ❑ *4 = Wednesday* ❑	*5 = Thursday* ❑ *6 = Friday* ❑ 7 = Saturday ❑ 8 = Reserved	
304	SCHEDULE 29 FUNCTION	*29*	
305	SCHEDULE 30 OPENING TIME	*8 - 0*	
306	SCHEDULE 30 CLOSING TIME	*20 - 0*	
307	SCHEDULE 30 DAYS		
	1 = Sunday ❑ *2 = Monday* ❑ *3 = Tuesday* ❑ *4 = Wednesday* ❑	*5 = Thursday* ❑ *6 = Friday* ❑ 7 = Saturday ❑ 8 = Reserved	
308	SCHEDULE 30 FUNCTION	*30*	
309	SCHEDULE 31 OPENING TIME	*8 - 0*	
310	SCHEDULE 31 CLOSING TIME	*20 - 0*	
311	SCHEDULE 31 DAYS		
	1 = Sunday ❑ *2 = Monday* ❑ *3 = Tuesday* ❑ *4 = Wednesday* ❑	*5 = Thursday* ❑ *6 = Friday* ❑ 7 = Saturday ❑ 8 = Reserved	
312	SCHEDULE 31 FUNCTION	*31*	
313	SCHEDULE 32 OPENING TIME	*8 - 0*	
314	SCHEDULE 32 CLOSING TIME	*20 - 0*	
315	SCHEDULE 32 DAYS		
	1 = Sunday ❑ *2 = Monday* ❑ *3 = Tuesday* ❑ *4 = Wednesday* ❑	*5 = Thursday* ❑ *6 = Friday* ❑ 7 = Saturday ❑ 8 = Reserved	
316	SCHEDULE 32 FUNCTION	*32*	

LOCAL TELEPHONE COMPANY INTERFACE

TELEPHONE CONNECTION REQUIREMENTS

Except for telephone company provided ringers, all connections to the telephone network shall be made through standard plugs and standard telephone company provided jacks or equivalent in such a manner as to allow for immediate disconnection of the terminal equipment. Standard jacks shall be so arranged that if the plug connected thereto is withdrawn, no interference to the operation of the equipment at the customers' premises which remains connected to the telephone network, shall occur by reason of such withdrawal.

INCIDENCE OF HARM

Should terminal equipment or protective circuitry cause harm to the telephone network, the telephone company shall, where practical, notify the customer that temporary discontinuance of service may be required. However, where prior notice is not practical, the telephone company may temporarily discontinue service if such action is deemed reasonable in the circumstances. In the case of such temporary discontinuance, the telephone company shall promptly notify the customer who will be given the opportunity to correct the situation. The customer also has the right to bring a complaint to the FCC if he feels the disconnection is not warranted.

CHANGES IN TELEPHONE COMPANY EQUIPMENT OR FACILITIES

The telephone company may make changes in its communications facilities, equipment, operations, or procedures where such action is reasonably required and proper in its business. Should any such change render the customers terminal equipment incompatible with the telephone company facilities, the customer shall be given adequate notice to make modifications to maintain uninterrupted service.

GENERAL

The FCC prohibits customer provided terminal equipment be connected to party lines.

IMPORTANCE OF THE RINGER EQUIVALENCE NUMBER

The Ringer Equivalence Number (REN) of this device is 0.1B. This number is a representation of the electrical load that it applies to your telephone line.

MALFUNCTION OF THE EQUIPMENT

In the event that the device should fail to operate properly, the customer shall disconnect the equipment from the telephone line to determine if it is the customers equipment that is not functioning properly. If the problem is with the device, the customer shall discontinue use until it is repaired.

EQUIPMENT INFORMATION

MANUFACTURER OF CONNECTING EQUIPMENT: **CADDX CONTROLS, INC.**
FCC REGISTRATION NUMBER: GCQUSA-30138-AL-E, RINGER EQUIVALENCE: 0.1 B

"OPERATOR" TERMINAL DESCRIPTION

TERMINAL	DESCRIPTION	
POS	Connect to the KP POS terminal of the control panel. This terminal supplies power to the NX540 board.	
COM	Connect to the KP COM terminal of the control panel. This terminal supplies the common side of the power to the NX540 board.	
DATA	Connect to the KP DATA terminal of the control panel. This is the data-signaling terminal to all the devices on the buss.	
NC	Normally closed dry contact rated 1 Amp at 30 Volts.	Relay follows X-10 Output Function 3.
COM	Common dry contact rated 1 Amp at 30 VDC.	
NO	Normally open dry contact rated 1 Amp at 30 Volts.	
02	Open collector output that switches to GND when activated – capable of up to 100mA. This output follows X-10 Output Function 2. **NOTE**: If device is connected to output, it must see the transition from 13V to GND. Caddx part # 8915 can be used to connect to output.	
01	Same as above. This output follows X-10 Output Function 1.	
R1	(R1) House Telephone Ring (gray)	
T1	(T1) House Telephone Tip (brown)	
R	Connect to R1 on control panel	
T	Connect to T1 on control panel	

CADDX
NX-8 CONTROL

AUXOUT: 1 2 3 4

ZONES: 1 COM 2 3 COM 4 5 COM 6 7 COM 8 AUX PRW+ COM SMOKE+ POS COM DATA BELL- BELL+ AC AC EARTH

T1 T R R1

HOUSE PHONES

INCOMING PHONE LINE

Caddx Controls Inc.
NX540

ENCLOSURE DIAGRAM

Inside the can, several 2-holed insertion points have been constructed. This allows for either vertical or horizontal placement of the modules. **Notice that the insertion points have two sizes of holes -- a larger hole and a smaller hole**.

Diagram 1: The black plastic PCB guides are grooved on one edge where the PC Board will be seated. The end with the half-moon protrusion fits into the larger hole. The smaller hole is for the screw.

Diagram 2: Place the *first* black plastic PCB guide in the top insertion point, grooved edge downward. The half-moon protrusion will be in the large hole. It does not require force. Insert one of the provided screws into the smaller hole (from inside the can) to secure it in place. A screwdriver should reach through the notch that runs the length of the guide to tighten the screw. The *second* PCB guide should be positioned opposite of the first (grooved edge up) and placed in the lower insertion point, using the same procedures described above. Once mounted, screw it in securely.

Diagram 3: The PC board should slide freely in the grooves of both guides.
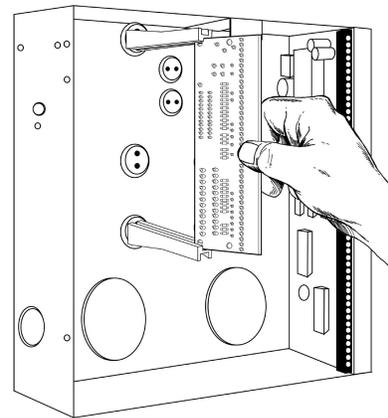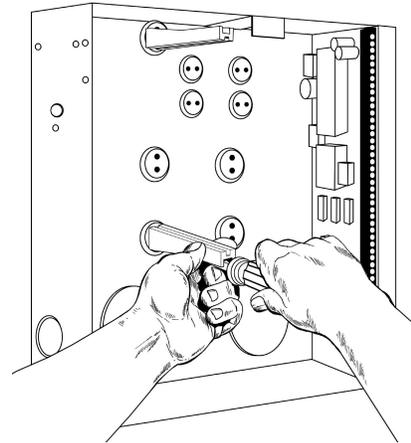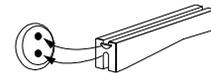
<u>SYSTEM NOTES</u>

<u>SPECIFICATIONS</u>

OPERATING VOLTAGE   (Nominal), Supplied by Control Panel

CURRENT   Standby, 55 mA

                                               Active, 130 mA

CONTROL OUTPUTS   32 "X-10" Outputs w/Programmable
                                               Descriptions

DIMENSIONS   3.5"W X 6"L X 1"H

TELEPHONE REQUIREMENT   TouchTone Telephones Only

interlogi(X). SECURITY & LIFE SAFETY GROUP
CADDX | ESL | GBC | ITI | Suntrol

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