

- Intruder Audible and Visual Warning -

Objective

Provide an audible and a visual warning to an intruder approaching the perimeter of a protected area.

Equipment List

- ◆ Apex Destiny 6100 control panel, rev. 8.05 or greater
- ◆ X-10 PRO Power Line Interface Module, PSC05
- ◆ X-10 PRO Incandescent Wall Switch Module, PLW01
- ◆ X-10 PRO External Motion Detector, PHS01
(Settings: House code=M, Start Code=5, Time Delay=.1,
Sensor "+1" Switch=IN, Dusk "+5" Switch=IN)

Sequence of Operation

When perimeter motion is detected the system will speak "Warning Protected Area, Leave Immediately" and turn on flood lights. The audible warning message will only be spoken when motion is detected while the system is armed to Away but the flood lights will turn on whenever motion is detected regardless of the arming mode if it is dark outside. The flood lights will turn off after a programmed time period.

System Sequence of Events

- 1) When motion is detected PHS01 transmits X-10 input signal 1 "M6 ON" (Also transmits X-10 input signal 2 "M10 ON" at sunset and "M10 OFF" at sunrise for Control Channel filters).
- 2) "M6 ON" X-10 signal activates Output Control assignment 1.
- 3) Output Control assignment 1 activates Control Channel 33(chain channel 1) and suppresses speech.
- 4) Chain Channel Group 1 activates Control Channels 34, 35, 36.
- 5) Control Channel 34 activates Auxiliary Output pin 1 for two seconds if the system is armed to Away applying a ground signal to Zone 16 input.
- 6) Control Channel 35 activates Auxiliary Output 8(on-board relay) for three seconds if the system is armed to Away switching the external speaker to the internal speaker terminals.
- 7) Control Channel 36 transmits X-10 output signal "H1 ON" turning on the flood lights for 5 minutes.
- 8) Zone 16 activates and speaks "Warning Protected Area Leave Immediately" through external speaker.

Required Programming

Location	Value	Function
4865	001	Enable control channel 33
4867	001	Activate chain channel
4886	001	Chain channel 1
4889	011	Enable control channel 34 with automatic turn-off
4892	160	Filter - disable when disarmed and also when armed to home or night
4893	002	On units (seconds)
4911	001	Auxiliary output 1
4913	011	Enable control channel 35 with automatic turn-off
4916	160	Filter - disable when disarmed and also when armed to home or night
4917	003	On units (seconds)
4935	008	Auxiliary output 8
4937	013	Enable control channel 36 with automatic turn-off and timer restart
4940	008	Filter - disable when light(sunrise)
4941	005	On units (minutes)
4958	176	X-10 output signal = H1
5441	034	Channel activation 1, chain channel 1
5442	035	Channel activation 2, chain channel 1
5443	036	Channel activation 3, chain channel 1
5570	005	X-10 input 1 signal = M6
5572	024	On function = output control assignment 1
5576	009	X-10 input 2 signal = M10
5578	022	On function = sunset
5579	021	Off function = sunrise
4021	033	Output control assignment 1 = channel 33
4022	005	Output control assignment 1 options = turn channel on and suppress speech
9940	16	Zone type = 011, Option 1 = 064, Option 2 = 033, Hardware device = 000, Input = 16
9940	17	Zone type = 015, Option 1 = 000, Option 2 = 001, Hardware device = 020, Input = 1
9940	18	Zone type = 015, Option 1 = 000, Option 2 = 001, Hardware device = 020, Input = 2
9920	016	371(Warning), 358(Protected), 029(Area), 096(Leave Immediately)

Application Diagram

