ROSSLARE
SECURITY PRODUCTS

INSTRUCTION MANUAL

BL-D40

EXTERNAL SOUNDER

InteliDoor
Smart Access Control

07/04

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www.rosslaresecurity.com

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Introduction & Key Features

The BL-D40 External Sounder is compatible with all Rosslare Standalone Controllers. It is designed to operate indoors and installed within the premises to be secured. The BL-D40 can be powered by 12V to 24V DC from regulated power supply or 16V to 24V AC from a transformer.

The BL-D40 is capable of emitting four different types of alerts both audible and visual; Bell, Door Chime, Siren, and Strobe Light.

1) The Bell always sounds when the controller's doorbell button is pressed.

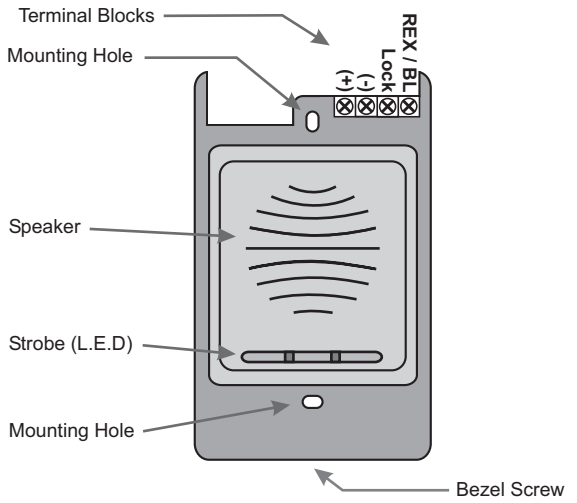
2) The Door Chime can be programmed to sound whenever the controller unlocks the door (the Door Chime does not sound when the REX button is used to open the door).

3) The Siren can be programmed to sound when the case of the controller is opened or when the controller is removed from the wall. The controller can also program the length of the Siren of the BL-D40.

4) The LED on the BL-D40 will turn ON when there is a Bell or Door Chime. If there is a siren it will flash as long as the tamper switch is activated / opened.

The controller communicates with the BL-D40 using a coded proprietary Rosslare communications protocol. This provides a more secure link between the Controller and the BL-D40. If the BL-D40 receives any unrecognized codes on its communication line or communication between the controller and the BL-D40 is severed, the Strobe will flash repeatedly until the communication problem has been resolved.

See the diagram below to become more familiar with BL-D40's features.



Technical Specifications

Electrical Characteristics

Operating Voltage Range:

16V to 24V AC	From a transformer
12V to 24V DC	From a Regulated Power Supply (Linear type recommended)

Maximum Input Current: (at 12 Volts)

Standby: 11mA	Not including attached devices
Max: 100mA	Not including attached devices

Audio Output

Three types of audible output

1) Bell
2) Door Chime
3) Siren

LED Strobe Output

Environmental Characteristics

Operating Temperature:
-25°F to 145°F (-31°C to 63°C)

Operating Humidity:
0 to 95% (Non-Condensing)

Mechanical Characteristics

Dimensions:
4.80" (122mm) L x 2.95" (75mm) W x 0.94" (24mm) D

Weight:
0.26 lbs (120g)

Installation

Installing the BL-D40 with a Rosslare Controller

Mounting the BL-D40 External Sounder

1) The BL-D40 should be located nearby the door and controller it is to be attached to, where it can be heard, and where the strobe can be seen.

2) The BL-D40 is designed to be easily mounted to a US Gang Box. Remove the Bezel Screw. (Use the diagram on Page 3 to help you locate the Bezel Screw)

3) Screw the BL-D40 onto a US Gang Box through the two Mounting Holes provided. (See diagram on Page 3 to help you locate the mounting holes)

4) Attach the wires to the BL-D40 terminal blocks as shown in the wiring diagram on the next page.

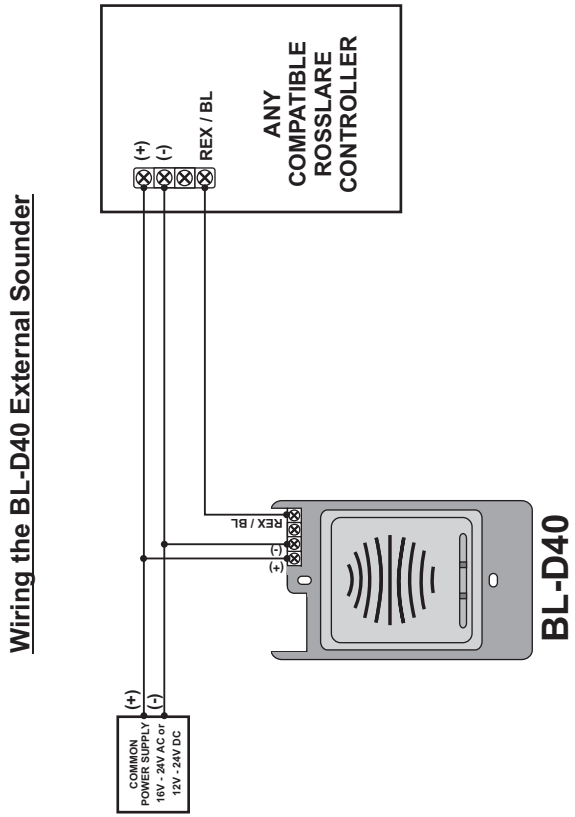
5) Replace the BL-D40 bezel and replace the factory default screw with the security screw that is provided in the Installation Kit. A security screw tool is also provided in the Installation Kit.

Wiring the BL-D40 External Sounder

It is recommended that 22 Gage wire should be used between the BL-D40 and the Controller.

See the next page for the wiring diagram.

Wiring the BL-D40 External Sounder



Using the BL-D40 as a stand alone Door Bell

To use the BL-D40 as a Door Bell follow the instructions below.

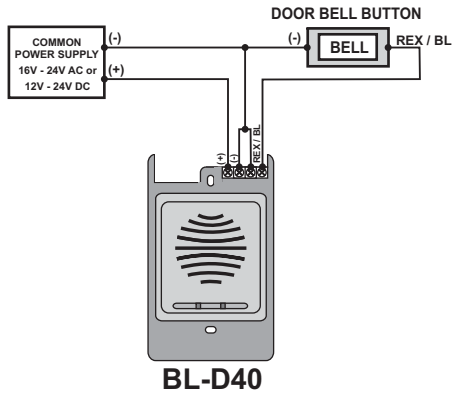
1) The BL-D40 should be located nearby the door and where it can be heard.

2) The BL-D40 is designed to be easily mounted to a US Gang Box. Remove the Bezel Screw. (Use the diagram on Page 3 to help you locate the Bezel Screw)

3) Screw the BL-D40 onto a US Gang Box through the two Mounting Holes provided. (See diagram on Page 3 to help you locate the US Gang Box mounting holes)

4) Wire BL-D40 terminal blocks as shown in the wiring diagram below.

5) Replace the BL-D40 bezel and replace the factory default screw with the security screw that is provided in the Installation Kit. A security screw tool is also provided in the Installation Kit.



Technical Support

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