

# Firefly® & Firefly® BB

## AR-D RELEASE DEVICE

Firefly® AR-D is a multi-voltage fail-safe release device that is available with or without battery backup. It is an energized solenoid mechanism designed to be used in conjunction with FireGard™ operators.

### Standard Features

- ▶ Input voltage is 100-240 VAC, 1 phase, 50/60Hz or 24 VAC/VDC
- ▶ The release device has a 10 second delay upon power failure and alarm
- ▶ Contact relays receive the alarm signal from the local detectors or fire alarm control panel
- ▶ Normally closed dry contact is required for alarm signal
- ▶ Provisions to power a 24 VDC door closing warning device upon alarm signal
- ▶ Down limit detection to prevent release of a closed door upon alarm signal: requires a closed door signal
- ▶ Maximum rated pull: 50 lbs
- ▶ Alarm test button
- ▶ UL864 listed for releasing devices for fire alarm systems



### Model Specific Features

#### Firefly

- ▶ Standby current draw: 100-240 VAC = .15-.1A, 24 VAC = .6A or 24 VDC = .2A
- ▶ Max current draw: 100-240 VAC = .5-.25A, 24 VAC = 1.5A or 24 VDC = 1.6A
- ▶ Optional R-BBU power available – 10 hours
- ▶ Requires a 4 wire connection for local detectors

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- ▶ Standby current draw: 100-240 VAC = .15-.1A, 24 VAC = .5A or 24 VDC = .2A
- ▶ Max current draw: 100-240 VAC = .5-.25A, 24 VAC = 1.0A or 24 VDC = .6A
- ▶ Battery backup power – 7 days
- ▶ May utilize 4 wire or 2 wire connection for local detectors
- ▶ Diagnostic indicator LED lights

### Requirements

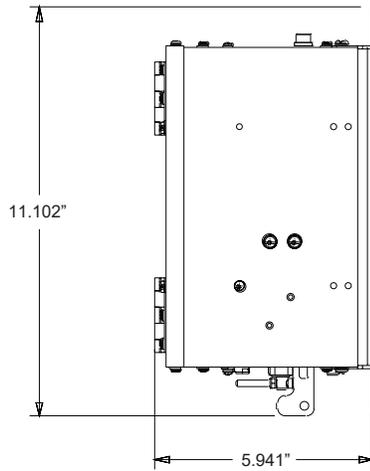
- ▶ For indoor dry location use only
- ▶ All wiring must satisfy the most current version of NFPA 72- National Fire Alarm Code and the National Electric Code

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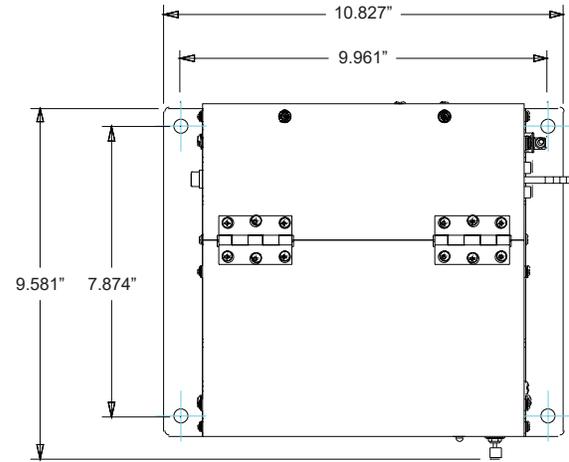
AR-D Release Device

## Outside Dimensions

Side View



Front View



## Release Device Arrangement

