

# 3101B Series

## Delay Egress System \*

### Electromagnetic Lock

- **Prevent Unauthorized Exits**
- **Completely Self Contained**
- **12/24 VDC/VAC**
- **Unique Sensor Unaffected by Minor Door Misalignment**
- **Lifetime Warranty**



CSFM



Listed  
Auxiliary  
Lock  
5N98

Listed  
1M59  
Special Locking  
Arrangements

\*Conforms to NFPA101 Life Safety Code

### Description

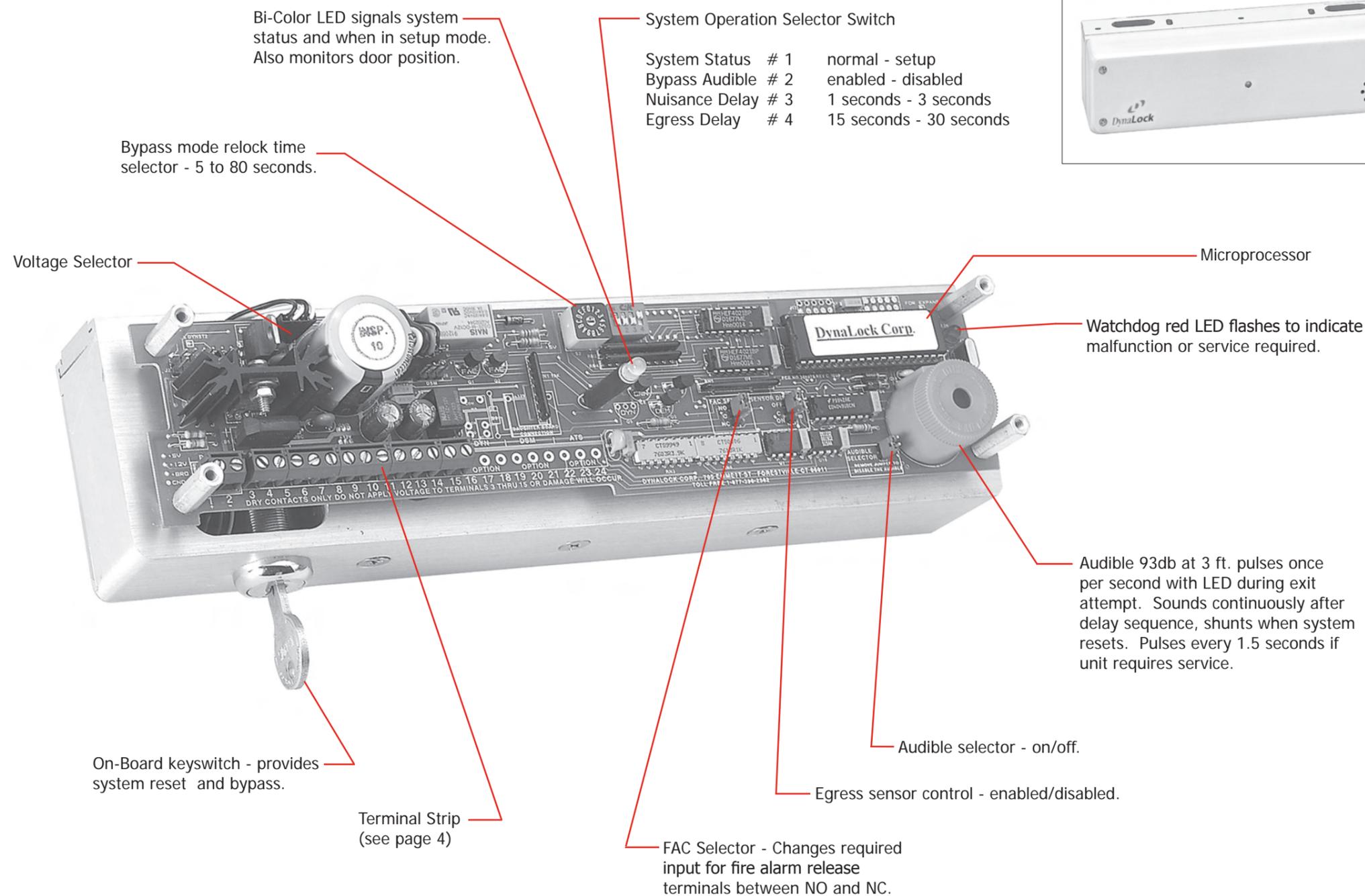
The 3101B Series is designed to satisfy life safety codes and high security needs at the same time. The next generation 3101B system offers better technology, resistance to electrical surges, and a virtually maintenance free sensing system.

In a typical installation, the door is normally closed and latched by the existing mechanical door hardware and magnetically secured by the 3101B Lock. Attempting to exit by applying 15Lbs. or less pressure to the door will cause the door to become unlatched, and activate the 3101B delay egress timer. The audible and red LED will pulsate for 15 seconds (30 seconds field selectable). After the time delay has elapsed, the lock will release and the audible will sound continuously with a green LED until the door is shut and the lock is reset. Reset and/or bypass are accomplished with a built-in keyswitch or remote signal. The system unlocks automatically when the 3101B is integrated with the building emergency fire alarm system or power is removed. Fire alarm contacts on the 3101B Lock are field selectable for NO and NC signals.

### Standard Features

- **Microprocessor Controlled:** An advanced digital processor on-board manages all lock functions, without the need for an external system controller. Custom factory programs are available to meet varying job requirements and local building codes.
- **Low Installation Cost:** The user friendly micrometer style adjustment wheel simplifies calibration of delay egress sensor and works with existing door hardware. Does not require touch or electrified exit devices, electric hinges, door cords or special power supplies.
- **Watchdog Circuit:** Will signal malfunction with pulsating LED and audible for maximum dependability.
- **Selectable Nuisance Delay:** 1 or 3 second to deter false alarms.
- **Opto-Electronic System Sensor:** Featuring a new concealed optical sensor unaffected by wind, warpage or door sag.
- **Holding Force:** 1500 Lbs. high security holding force per lock effectively deters forced access or egress.
- **Lifetime Warranty** - American Made in the USA by DynaLock, with over 20 years experience in the manufacture of electromagnetic locks.

# 3101B Series Delay Egress System



Bi-Color LED signals system status and when in setup mode. Also monitors door position.

Bypass mode relock time selector - 5 to 80 seconds.

Voltage Selector

System Operation Selector Switch

System Status # 1	normal - setup
Bypass Audible # 2	enabled - disabled
Nuisance Delay # 3	1 seconds - 3 seconds
Egress Delay # 4	15 seconds - 30 seconds

Microprocessor

Watchdog red LED flashes to indicate malfunction or service required.

Audible 93db at 3 ft. pulses once per second with LED during exit attempt. Sounds continuously after delay sequence, shunts when system resets. Pulses every 1.5 seconds if unit requires service.

Audible selector - on/off.

Egress sensor control - enabled/disabled.

FAC Selector - Changes required input for fire alarm release terminals between NO and NC.

On-Board keyswitch - provides system reset and bypass.

Terminal Strip (see page 4)



## Model Selection

**3101B** Single Outswinging Door  
Single coil. Mounts to the underside of the frame header.



**3121B** Double Outswinging Door  
**No Center Mullion.** Double coil. Mounts to the underside of the frame header. Master/slave configuration.



**3121B2** Double Outswinging Door  
**With Center Mullion.** Double coil. Mounts to the underside of the frame header. Master/slave configuration.



# 3101B Series Electromagnetic Lock

## Options

- ATS** ANTI-TAMPER SWITCH - Signals removal of the housing cover. SPDT contacts.
- ATS2** ANTI-TAMPER SWITCH - For 3121B models.
- BPM** BYPASS MONITOR - Signals bypass keyswitch activation.
- DSM** DOOR STATUS SWITCH - Signals door closed or ajar.
- DSM2** DOOR STATUS SWITCH - For 3121B models.
- DYN** DYNASTAT FORCE SENSOR - Indicates efficient magnetic bond. SPDT contacts.
- DYN2** DYNASTAT FORCE SENSOR - For 3121B models.
- ETR** EGRESS SENSOR OMITTED - For externally triggered egress.
- KSO** KEYSWITCH OMITTED - In favor of separate remote keyswitch.
- LP** LOW POWER COIL - 12V only @ 0.40 Amps (Single coil)
- LP2** LOW POWER COIL - 12V only @ 0.72 Amps (Double coil)
- SF** SPECIAL FINISH - Standard finish US28 Satin Aluminum. See price book.

## Building Code Software Options

- BOCA** For operation in compliance with BOCA Code.
- UBC** For operation in compliance with UBC Code.

## Specifications

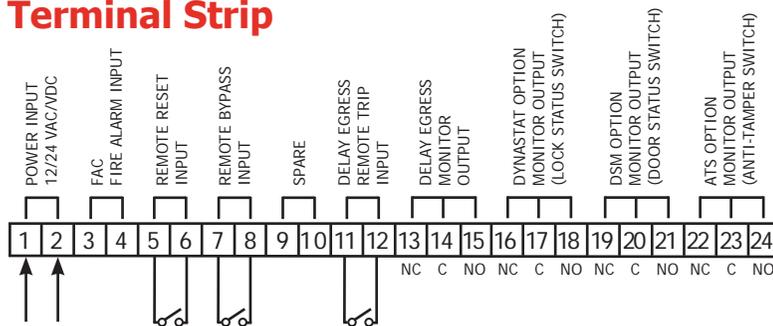
### MECHANICAL

- Holding Force: 1500 Lbs. Each Coil
- Lock Size:
  - 3101B 3"D x 2<sup>3</sup>/<sub>4</sub>"H x 11"L
  - 3121B 3"D x 2<sup>3</sup>/<sub>4</sub>"H x 22"L
  - 3121B2 3"D x 2<sup>3</sup>/<sub>4</sub>"H x 11"L Each
- Armature Size: 1/2"D x 2<sup>5</sup>/<sub>16</sub>"H x 7<sup>3</sup>/<sub>8</sub>"L
- Lock Weight: 3101B 11.5Lbs. / 3121B 23Lbs.
- Finish: US28 Satin Aluminum with clear anodize.  
Other Finishes Available.

### ELECTRICAL

- Input Voltage: 12 or 24 VDC/VAC (Field Selectable)
- Current Draw: 0.75A / 1.20A @ 12V (Single/Double)  
0.50A / 0.75A @ 24V (Single/Double)
- Contact Ratings: DSM - 0.5A @ 24VDC/VAC  
DYN - 1A @ 24VDC/VAC  
ATS - 0.5A @ 24VDC/VAC  
Delay Monitor - 1A @ 24VDC/VAC  
Bypass Monitor - 4A @ 125VDC/VAC
- Coil Resistance: 53.2 Ohms (+/- 10%) Wht/Wht, Blk/Blk

## Terminal Strip



## Accessories

- 4000 Series:** Filler Plates / Angle Brackets
- 5000 Series:** Power Supplies
- 6000 Series:** Push-buttons / Exit Controls
- 7000 Series:** Keyswitches / Keypads
- 8000 Series:** Consoles / Custom or Standard

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