3101C Series Electromagnetic Lock

**Options**

- **ATS**  ANTI-TAMPER SWITCH - Signals removal of the housing cover. SPDT contacts.
- **ATS2**  ANTI-TAMPER SWITCH - For 3121C models.
- **BPM**  BYPASS MONITOR - Signals bypass keyswitch activation.
- **DSM**  DOOR STATUS SWITCH - Signals door closed or open.
- **DSM2**  DOOR STATUS SWITCH - For 3121C models.
- **DYN**  DYNASTAT FORCE SENSOR - Indicates efficient magnetic bond. SPDT contacts.
- **DYN2**  DYNASTAT FORCE SENSOR - For 3121C 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)

**Building Code Software Options**

*** Consult factory for special software/sequencing requirements.

**Specifications**

**MECHANICAL**

- **Holding Force:** 1500 Lbs. Each Coil
- **Lock Size:**
  - 3101C: 3"D x 2"H x 11"L
  - 3121C: 3"D x 2"H x 22"L
  - 3121C2: 3"D x 2"H x 11"L Each
- **Armature Size:** 1/8"D x 2"H x 7/8"L
- **Lock Weight:** 3101C 11.5lbs. / 3121C 23lbs.
- **Finish:** US28 Satin Aluminum with clear anodize. Other Finishes Available.

**ELECTRICAL**

- **Input Voltage:** 12 or 24 VDC/VAC (Auto-Sensing)
- **Current Draw:** 453mA / 839mA @ 12VDC (Single/Double)
  - 1.08A / 1.79A @ 12VAC (Single/Double)
  - 254mA / 470mA @ 24VDC (Single/Double)
  - 750mA / 1.27A @ 24VAC (Single/Double)
- **Contact Ratings:**
  - DSM - 0.5A @ 24VDC/VAC
  - DYNT - 1A @ 24VDC/120VAC
  - ATS - 0.25A @ 175VDC
- **Remote Monitor:**
  - Delays Monitor - 1A @ 24VDC/120VAC
  - Bypass Monitor - 4A @ 125VDC/VAC

**Terminal Strip**

- **Power Input:** 12 or 24 VDC/VAC Input
- **Delay Egress:** 705 EMMETT STREET / PO BOX 2728
- **MONITOR OUTPUT:**
  - DynaStat Option - Monitor Output (Lock Status Switch)
  - DSM Option - Monitor Output (Door Status Switch)
  - ATS Option - Monitor Output (Anti-Tamper Switch)
  - DSM 2 Option - Monitor Output (Bypass Monitor)
  - Bypass Monitor - 4A @ 125VDC/VAC

**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

**3101C Series Delay Egress System**

**Magnetic Lock**

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

**Description**

The 3101C Series is designed to satisfy egress codes and high security needs at the same time. The next-generation 3101C system integrates totally-redesigned and updated electronics with DynaLock’s proven and forgiving egress-sensing technology.

In a typical installation, the door is normally closed and latched by the existing mechanical door hardware and magnetically secured by the 3101C Lock. Attempting to exit by unlatching and pushing on the door will activate the 3101C 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 3101C is integrated with the building emergency fire alarm system or power is removed. Fire alarm contacts on the 3101C Lock are field selectable for NO and NC signals.

**Standart Features**

- **Microprocessor Controlled:** An advanced digital processor manages all lock functions, without the need for an external system controller. Custom factory programs are available to meet varying jurisdictional requirements and local building codes.
- **Low Installation Costs:** 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.
- **Auto-Sensing Power Input:** 12 or 24 VDC/VAC
- **Selectable Nuisance Delay:** 1 or 3 second to deter false alarms.
- **Opto-Electronic System Sensor:** Featuring a concealed optical sensor unaffected by wind, warpage or door sag.
- **Holding Force:** 1500 Lbs. high security holding force (holding force not evaluated by UL) 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.
3101C Series Delay Egress System

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
- Master Audible #5: enabled - disabled
- Fire Alarm Input #6: N.O. - N.C.
- Egress Sensor #7: enabled - disabled
- Spare #8: unused

Bypass mode relock time selector - 1 to 75 seconds.

On-Board keyswitch - provides system reset and bypass.

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

Audible 87db at 30cm pulses once per second with LED during exit attempt. Sounds continuously after delay sequence, shunts when system resets.

Rear View

Model Selection

3101C Single Outswinging Door
- Single coil. Mounts to the underside of the frame header.

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

3121C2 Double Outswinging Door
- With Center Mullion. Double coil. Mounts to the underside of the frame header. Master/slave configuration.