TRAC-Maglock BT Smart

TRACcess® wireless magnetic lock for doors with fixed stop

The electromagnet and TRACcess® controller are mounted inside the door, away from potential intruders.

Bluetooth® interface of die-cast aluminum with powder coat paint finish withstands dirt, grease, and harsh cleansers

Main Features

- Secure wireless operation
  - Encrypted communications (AES 128-Bit)
  - PIN code protection for user
  - Expiring keys
- Versatile for a variety of door sizes
- Electromagnet provides 1200 pounds of holding force
- No moving parts to replace
- 800 events stored in the activity record
- Efficient power use
- Surface-mount version with no battery backup is available

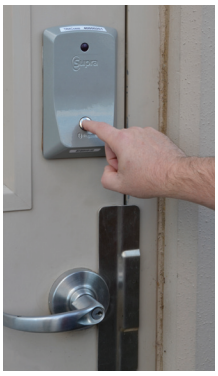
Overview

The TRACcess TRAC-Maglock BT Smart secures doors or gates that close against a hard stop. It consists of an electromagnet that mounts on the fixed frame, and a strike plate that attaches to the moving door or gate. TRAC-Maglock BT Smart is positioned on the side of the door that is away from a potential intruder, making the system more secure because an intruder would have to defeat the door itself to get to the lock. The strike plate is mounted with fasteners that permit it to flex, so the door automatically self-aligns with the magnet when it closes, providing greater resistance during an attack. When the door is closed, the magnet force secures the door with 1,200 pounds of holding force.

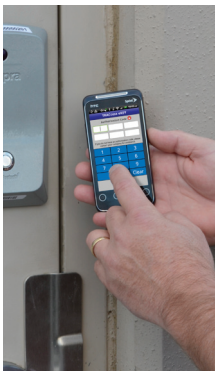
The TRACcess controller controls the electromagnetic lock to allow authorized entry. A back-up record of the last 800 entries is recorded in the controller for incident investigation. An exit button is installed inside the door for quick egress.

Operations

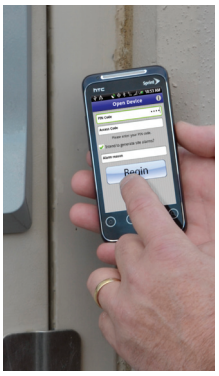
A TRAC-Maglock BT Smart remains continuously locked until the keyholder initiates a valid “Open” sequence with a wireless TRACcess key. When the green LED flashes, access is enabled and the controller triggers an additional event. Entry is recorded in both the TRACcess key and the controller.



1. Turn-on Bluetooth



2. Activate TRACcess eKEY with a PIN-code



3. Select Open Device

Programming

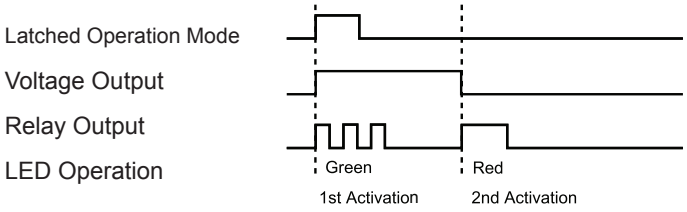
Latched operation

First activation by TRACcess key

Output voltage sources current for limited time period, 1 to 60 seconds (9 seconds factory default setting). Relay contacts toggle and latch in new state: Normally Closed (NC) contacts become open and Normally Open (NO) contacts become closed. LED on interface flashes green then turns off.

Second activation by TRACcess key

Output voltage does not source current. Relay contacts toggle and latch in normal state: NC relays are closed and NO relay contacts are opened. LED on the interface flashes red, then turns off.



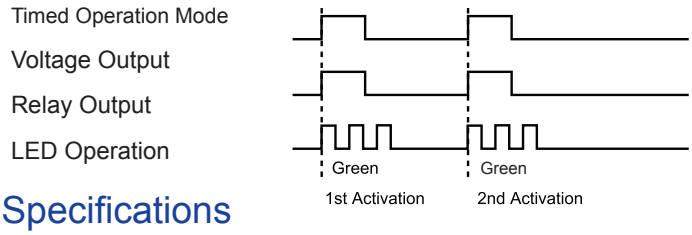
Timed operation

First activation by TRACcess key

Output voltage sources current, LED on interface flashes green and relay energizes for a programmable time period (1 to 60 seconds with 9 seconds being the factory default setting). During energized period, NC contacts become opened and NO contacts become closed. Contacts return to original state after time elapses.

Second activation by TRACcess key

Process is reinitiated as described above.



Specifications

Electrical and Communications

- Input power, controller: 14-36 VDC unregulated supply @ 30 watts
- Battery, controller: 8 AA alkaline batteries for operation and battery backup
- Input power, electromagnetic lock: 250 mA @ 12 VDC or 125 mA @ 24 VDC
- Commiunications: Bluetooth 4.0 or infrared

Environmental

Controller

- Temperature, battery: -4° to 140°F (-20° to 60°C)
- Temperature, operating: -22° to 167°F (-30° to 75°C)
- Temperature, storage: -40° to 185°F (-40° to 185°C)
- Temperature/Humidity: 10-95% relative humidity condensing
- Water Resistance (Bluetooth® interface): Withstands heavy rain (more than 1.5" per hour) while mounted. Not intended for direct water immersion
- Snow/Ice (Bluetooth interface): Exterior bezel interface functions normally when submerged in snow or crushed ice
- Electrostatic discharge: IEC 801-2 Severity Level 3: 6KV contact discharge and 8 KV air discharge
- Chemical resistance: no functional or cosmetic damage from exposure to common cleaning materials and hydrocarbons

Electromagnetic Lock

- Temperature, hardwired or battery unpowered: -4° to 140°F (-20° to 60°C)
- Temperature/Humidity: MIL-STD 202F, Method 106E at 80% to 95% relative humidity
- Electrostatic discharge: IEC801-2 Severity Level 3

Regulatory

Controller

- FCC, CE, WEEE
- Batteries on European Union Battery Directive 2006/66/EC

Electromagnetic Lock

- Underwriters Laboratories SA6635 and S4615
- Underwriters Laboratories of Canada: CMS140
- TUV (Germany): 46890009 Baumuster Gopruft
- California State Fire Marshall: 4138-923:100
- NYC Board of Standards and Appeals: 801-80-SA
- City of Cleveland: S-5-89
- US Veteran's Administration: M.P.3 Part III
- US Department of Defense: Listed

Order Information

002194 TRAC-Maglock BT Smart with Alarm Interface, Surface Mount, no Battery Backup

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10/2014