

TRAC-Lock BT Smart Kit with Alarm Interface

TRACcess® intelligent locking device, alarm interface, and NEG 48 V power converter



Bluetooth interface is die-cast aluminum in silver powder coating finish

Main Features

- Secure wireless operation
- Integrate with existing alarm or electronic systems
- Easy to install or retrofit
- Rugged exterior
- 800 events stored in the activity record
- DC to DC voltage converter kit with heat sink and housing

Overview

TRAC-Lock BT Smart with Alarm Interface consists of a bezel interface mounted on the exterior of a door to communicate with a TRACcess® electronic key, and a general-purpose controller mounted on the door's interior that permits only authorized users to open the door. It can be integrated with existing access control, CCTV and security alarm systems. Both open and close activities are recorded when the controller is programmed to its *Latched Mode*. An audit trail showing device access information is available through web-based TRACcess Manager software.

Programming is delivered to the TRAC-Lock BT Smart with Alarm Interface through a TRACcess wireless key. Common programming commands include *Set Alarm Mode On/Off* and *Activation Mode Latched / Not Latched*.

Features

Flexible Configuration — TRAC-Lock BT Smart with Alarm Interface is mounted on an existing door to control electronic activities. It includes a relay for shunting or triggering an alarm zone. The standard (non-wireless) version is easy to retrofit by replacing the existing bezel interface with the wireless bezel interface.

AC Power — The TRAC-Lock BT Smart Kit is configured for AC power and includes a DC-DC voltage converter for -48 V power. The power converter includes a heat sink and housing. The TRACcess Bluetooth® Bezel Interface is powered by an internal lithium battery. Bluetooth reception is only activated when the user presses the ON button, extending the life of the lithium battery.

Durable — TRAC-Lock BT Smart with Alarm Interface is rugged with a tough, glossy powder coat paint that withstands fingerprints, dirt, grease, and common cleansers. It resists heavy rain, humidity, snow, and ice. A plastic enclosure protects the electronics in the controller mounted on the door's interior.

Operations

The TRAC-Lock BT Smart with Alarm interface uses the TRACcess controller to lock and unlock the door while monitoring entry. It includes a relay that can be used for a variety of applications such as shunting or triggering an alarm zone, unlocking the lockset until relocked with the TRACcess key, or triggering a surveillance recorder. The controller is hardwired to power. The interior door handle is continuously unlocked. The exterior door handle 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 TRAC-Lock BT Smart with Alarm Interface.

TRAC-Lock BT Smart with Alarm Interface may be set for either a timed operation, to keep the door continuously locked except when opened by the TRACcess key; or a latched activation that unlocks the door until it is relocked. The timed operation unlocks the door for a predetermined time period of 1 to 60 seconds (nine seconds is the factory default).

Programming

Programming is delivered to the TRAC-Lock BT Smart with Alarm Interface through TRACcess electronic keys.

Latched operation

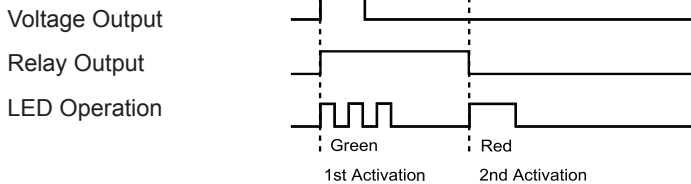
First activation by a TRACcess key

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: NC contacts become opened and NO contacts become closed. Relay contacts do not have a time limit for operation. 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.

Latched Operation Mode



Timed operation

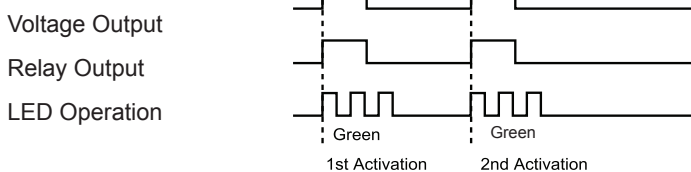
First activation by TRACcess key

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.

Timed Operation Mode



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Specifications

Physical

- Dimensions: Interior (WxHxD): 4.3 x 7.2 x 1.2 in (110 x 183 x 31 mm)
- Weight: 0.85 lb (386 g)

Electrical and Communications

- Power from facility: -48 V
- Power input to TRACcess controller: +24 V (refer to the TRAC-Lock BT Smart wiring diagram)
- Output drive voltage: 12 VDC @ 1 A or 24 VDC @ 1 A (switch selectable)
- Output dry contact relay closure: Normally Open, Normally Closed, Shared Common rated at 240 VDC @ 5 A or 30 VDC @ 5 A
- Communications Signal: Bluetooth 4.0 or infrared

Environmental

- External input power, controller: 14 to 36 VDC unregulated supply at Operating Temperature (battery): -4° to 140°F (-20 to 60°C)
- Operational Temperature: -22° to 167°F (-30° to 75°C)
- Storage temperature: -40° to 185°F (-40° to 85°C)
- Humidity: 10-95% relative humidity, condensing
- Water Resistance: Withstands heavy rain (more than 1.5" per hour) while mounted. Not intended for direct water immersion.
- Snow/Ice: 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

Regulatory

- FCC, CE, IC, WEEE
- Lithium battery in Bezel Interface on European Union Battery Directive 2006/66/EC
- UL-Recognized power converter is enhanced with heat sink and housing

Order Information

PN	Description
002211	TRAC-Lock BT Smart w/Alarm IF, Best ADA, no XFMR, no batteries, w/NEG 48V converter kit
002212	TRAC-Lock BT Smart w/Alarm IF, Best knob, no XFMR, no batteries, w/NEG 48V converter kit



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