

Select-Alert Mini Controller

STI-SA5000 SERIES





Features

- · Use as a cabinet alert, door alert, link with push button/switch or as a burglar alert.
- Independent strobe and siren timing of 15 seconds, 30 seconds, 60 seconds or continuous.
- · Durable, polycarbonate construction.
- · Includes ten high intensity LEDs.
- · Siren offers 32 user selectable tones.
- · Choose piercing 100 or 85 dB alert.
- · For indoor use only.

- Available with amber, green, blue, red or white lens.
- Includes a tamper switch which triggers the alert when unit is being removed from a wall.
- · Low battery indicator.
- Powered by a 9 VDC battery (not included) or external 12 24 volts.
- · One Form "C" dry relay contact output.

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SELECT-ALERT ASSEMBLY PARTS LIST Electronics Assembly

| 1 200000 | Licotionico / tocombiy |
|-------------|------------------------------|
| 1 - M05050* | Color Lens * (A, B, G, R, W) |
| 4 | Screw #6 x 5/8 in. |
| 4 | Screw #8-32 x 3/8 in. |
| 2 | Screw #6 x 1 1/4 in. |
| 2 | Anchor #8-10 |
| 2 | Screw #6-32 x 1 1/2 in. |
| 1 | #8-32 x 1/2 in. tamper screw |
| 1 - H19016 | Tamper wrench |

ACCESSORIES

KIT-71100A-W Backbox kit

1 - E05000

| KIT-E18151 | N.C. reed switch and magnet |
|------------|--|
| KIT-SA505 | Key switch mounting bracket (includes key switch & 2 keys) |
| KIT-H18075 | Additional replacement key |
| KIT-H19016 | Tamper Wrench, set of 2 |
| | , |

WARNINGS

All units are recommended for indoor use. Unit must be tested periodically to verify the life of battery. STI recommends you change the 9 Volt battery twice a year. When purchasing a Select-Alert, you will need to periodically test the connections to make sure audibles function at a sound level to alert staff. Installer may need to purchase a simple audio-meter, typically available at your local electronics store, to measure the sound in areas where the alert is expected to be heard during normal noise environment. Results from this test may prove it beneficial to purchase additional Select-Alert units.

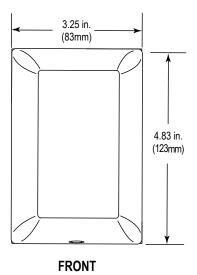
All specifications and information shown are current as of publication and subject to change without notice.

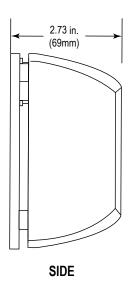
WARRANTY

Three year warranty or a one year limited warranty (from date of purchase) on most products. See website for details. Electronic warranty form at www.sti-usa.com/wc14.

WARNING: This product can expose you to chemicals including Dichloromethane, which is known to the State of California to cause cancer, and Bisphenol A (BPA), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

DIMENSIONS

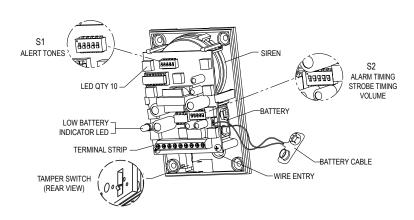




SPECIFICATIONS

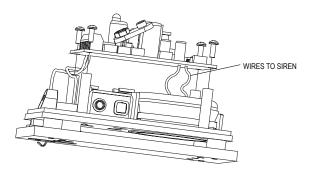
| Operating Voltage | Internal power 9 VDC battery (not included) | |
|-----------------------|---|--|
| Operating Temperature | 32°F-120° | |
| Power Consumption | Stand by: 50µA | |
| | Siren low volume: 85mA | |
| | Siren high volume: 90mA | |
| | Strobe: 25mA | |
| Siren Volume | Low: 85 dB | |
| | High: 100 dB | |
| Alert Timing | Independent control for siren and strobe: | |
| | 15s, 30s, 60s, continuous | |
| Low Battery Warning | LED flash once every 30 seconds | |
| Form C Dry Contacts | 0-30VAC/DC, 1 Amp | |
| | Contacts reset after longest alert setting | |
| Key Switch | Alarm on: normally closed | |
| Alarm Switch | Stand by: normally open contact required | |
| Polycarbonate | UL94V-2 | |

INSTALLATION Step 1 - Electronic Setup



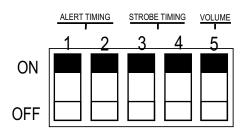
Step 2 - Alert Tones - S1

| | 12345 | | | | 12345 | |
|----|-------|---------------------|---|----|-------|-----------------|
| 1 | 00000 | BUZZ | | 17 | 00001 | STANDARD Alert |
| 2 | 10000 | SLOW ON/OFF | | 18 | 10001 | #3 FAST |
| 3 | 01000 | SLOW SIREN | | 19 | 01001 | #5 SLOW |
| 4 | 11000 | 3 BEEP/PAUSE/REPEAT | _ | 20 | 11001 | FAST BEEP |
| 5 | 00100 | UFO FAST | | 21 | 00101 | SOUND A |
| 6 | 10100 | FAST SIREN | | 22 | 10101 | SOUND B |
| 7 | 01100 | #5 FAST | _ | 23 | 01101 | SOUND C |
| 8 | 11100 | #2 MEDIUM | _ | 24 | 11101 | SOUND D |
| 9 | 00010 | #5 MEDIUM | _ | 25 | 00011 | SOUND D LOUD |
| 10 | 10010 | SWOOP MEDIUM | | 26 | 10011 | SOUND E |
| 11 | 01010 | #3 MEDIUM | | 27 | 01011 | SOUND F |
| 12 | 11010 | BUZZ TONE | | 28 | 11011 | SOUND G |
| 13 | 00110 | STEADY FAST | | 29 | 00111 | SOUND H |
| 14 | 10110 | SWOOP SLOW | | 30 | 10111 | #4 LOW |
| 15 | 01110 | CONTINUOUS | | 31 | 01111 | SOUND K |
| 16 | 11110 | FAST REPEAT | | 32 | 11111 | CONTINUOUS FAST |



NOTE Sound may be disabled by clipping wires to the siren.
THIS WILL VOID ALL WARRANTIES.
Remove two screws on circuit board; leave enough length of wire to possibly reattach in the future. Then insulate wires to prevent shorting to electronic components.

Step 3 - Alert Timing and Volume - S2



| Alert | Siren | | Strobe | | Volume |
|------------|-------|---|--------|---|--------|
| Timing | 1 | 2 | 3 | 4 | 5 |
| 15 seconds | 1 | 1 | 1 | 1 | High |
| 30 seconds | 1 | 0 | 1 | 0 | 1 |
| 60 seconds | 0 | 1 | 0 | 1 | Low |
| Continuous | 0 | 0 | 0 | 0 | 0 |

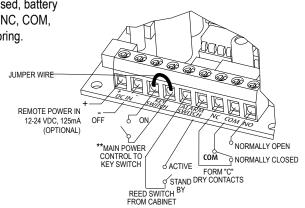
1 = ON 0 = OFF Factory default settings

Step 4 - Terminal Strip Connections

"DC IN" are the only polarity sensitive terminals. When external power is used, battery will act as a backup. "Dry Contacts: NC, COM, NO" are used for remote alert monitoring.

**Shipped with jumper wire installed. Remove to add key switch or other main power on/off switch.

If using power only to trigger alert, add jumper to the alarm switch terminals. If not using key switch or other main power on/off, key switch must also have jumper.

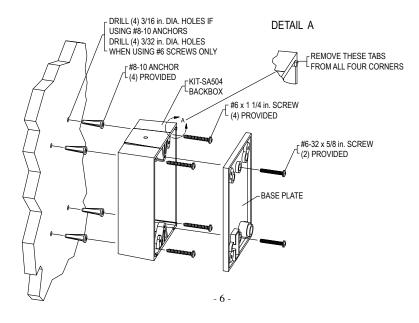


Step 5 - Mounting Options

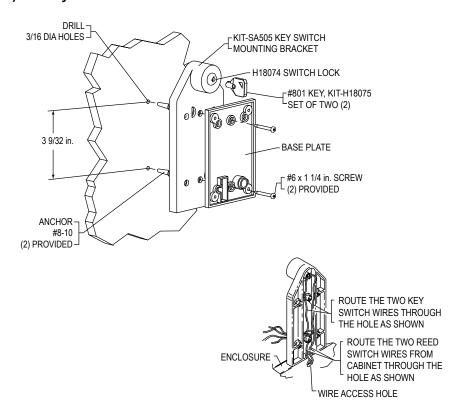
A) To STI Back Box KIT-71100A-W

- 1. Using 5/32 drill, drill through the (4) existing holes in back box (one in each corner).
- 2.Place back box on wall and mark the mounting hole positions.
- 3.If using #8-10 anchors, drill 3/16 dia. holes 1 in. deep into wall and press anchor into hole. If using #6 screws only, drill 3/32 dia. holes 1 $\frac{1}{4}$ in. deep.
- 4. Mount back box to wall using #6 x 1 1/4 in. screws.
- 5. Mount base plate as shown using (2) #6-32 x 1 in. screws.

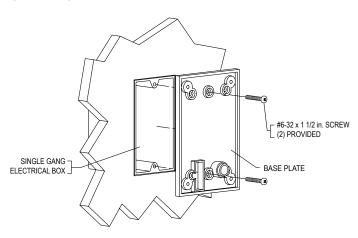
Note: If not using STI back box, make sure surface will depress tamper switch.



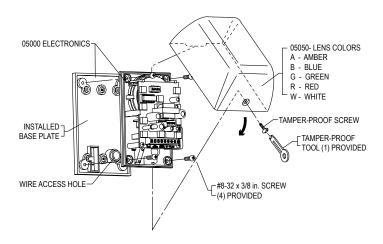
B) To Key Mount Plate or into Wall without Electrical Box



C) To Single Gang Electrical Box



Step 6 - Electronics Final Assembly



Wiring: After mounting circuit board assembly, connect wires. Refer to terminal strip connections (step 4).

Lens installation: Slide lip of lens behind circuit board mounting plate. Rotate lens into position. Secure with tamperproof screw and special wrench.

Step 7 - Operation

- Turn key switch on to arm.
- · Cycle key switch to reset alert.
- Alert will sound when cover is removed, unit is removed from the wall or cabinet is opened (alert switch is electronically closed).
- · To service, turn key switch off.







EMEA

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