Model 33E-1 Deadbolt
Model 33E-2 Springbolt

FEATURES
(May be activated at any time, by authorized service only.)

- MANAGER MODE
  Add/Temporarily Disable/Remove second user.

- TIME DELAY OVERRIDE
  Ability to add second combination to override Delay period.

- DUAL COMBINATION
  Two combinations required to open.

- SILENT SIGNAL ALARM (Optional Alarm Box Required)
  Duress Signal if last number of combination(s) entered one number higher or one number lower.

- REMOTE OVERRIDE SIGNAL (Optional Alarm Box Required)
  Two combinations OR remote signal plus primary user combination required to open.

- REMOTE DISABLE (Optional Alarm Box Required)

- TIME DELAY
  “Delay” period 1-99 minutes, “Open” period 1-19 minutes.
CHANGING COMBINATIONS (Lock signals twice after each valid entry.)
- Enter six zeros.
- Enter old combination once.
- Enter new combination twice.
  - Invalid Combination Entry - Lock signals three times and old combination still valid.

ADD SECOND USER (If manager, time delay override, remote override, or dual combination features activated.)
- Enter primary user combination. HOLD DOWN LAST DIGIT OF COMBINATION until lock signals with TWO double beeps.
- PRESS 1. Lock signals twice.
- Enter second user combination twice. Lock signals twice after each valid entry.

DISABLE SECOND USER (Manager feature only.)
- Enter primary user combination. HOLD DOWN LAST DIGIT OF COMBINATION until lock signals with TWO double beeps.
- PRESS 2. Lock signals once.
- Second user is temporarily disabled.

REINSTATE DISABLED USER (Manager feature only.)
- Enter primary user combination. HOLD DOWN LAST DIGIT OF COMBINATION until lock signals with TWO double beeps.
- PRESS 1. Lock signals once.
- Second user is reinstated.

REMOVE SECOND USER (Manager feature only.)
- Enter primary user combination. HOLD DOWN LAST DIGIT OF COMBINATION until lock signals with TWO double beeps.
- PRESS 3. Lock signals once.
- Second user is permanently removed.

DUAL COMBINATION OPERATION (If feature is active.)
- Must add second user to open lock. (See ADD SECOND USER)
  - Second user can not be disabled or removed.
- If Time Delay is active, one valid combination will start Delay period.
  - Both combinations required to open lock in Open period.
TIME DELAY (If feature is active. Delay/Open times may be changed by authorized service only.)

- Enter valid combination.
  - Delay period starts.
  - LED flashes red at one second intervals.
    - If valid combination entered during delay, Delay period restarts.
    - If invalid combination entered during delay, Delay period aborts.

- At end of delay period, Open period starts.
  - LED flashes red at 1/2 second intervals.
  - Lock beeps at 10 second intervals.

- During Open period, enter valid combination(s).
  - If invalid combination entered during open, Open Period continues.
  - If four consecutive invalid combinations entered Wrong Try Penalty starts.

TIME DELAY OVERRIDE (If feature is active.)

- Must add second combination. (See ADD SECOND USER)
  - Second combination can not be disabled/removed.

- Entry of override combination during Delay period will open the lock.

SILENT SIGNAL ALARM (If feature is active AND optional Alarm Box connected.)

- Enter last digit of combination(s) one number higher or one number lower.
  
  Example:
  
  Combination    1-2-3-4-5-6
  Duress         1-2-3-4-5-7 or 1-2-3-4-5-5

REMOTE OVERRIDE SIGNAL (If feature is active AND optional Alarm Box connected.)

- Remote signal plus primary user combination will open lock.

- If remote signal not active, needs a second user to open. (See ADD SECOND USER)
  - Second user can not be disabled/removed.

WRONG TRY PENALTY (Standard feature.)

- Entry of four consecutive invalid combinations initiates a 5-minute delay period. - LED flashes red at 10 second intervals.

- At end of penalty period, two more consecutive invalid combinations will restart the 5-minute delay period.
**CHANGING BATTERIES**

- Repeated beeping indicates that battery is low and needs immediate replacement.
- Use one (1) 9-Volts Alkaline Battery or six (6) 1.5-Volts Alkaline Batteries Size C.

**Model 2788 Battery Box (Standard)**

**OPTIONS**

**Model 2789 Alarm/Battery Box (Optional)**

**Model 4002 Large Alarm/Battery Box (Optional)**

**MODEL 2789 ALARM CONNECTIONS**

- 4 wires 26 AWG.
- Alarm Relay Connections:
  - Red + Black = Normally Open (NO) or Normally Closed (NC)
  - Relay contacts - Settable
  - 50 VDC @ 0.25 Amp Max load
- Inputs Disable or Remote Override
  - Yellow = Positive input
  - Green = Negative input
  - 5-12 VDC @ 20 mA Max input

**MODEL 4002 ALARM CONNECTIONS**

- Alarm Relay
  - Out - 50 VDC @ 0.25 Amp Max
  - Input - 5-12 VDC @ 20 mA Max

- Inputs Disable or Remote Override

- Relay Jumper Position
  - NO - (right pos.)
  - NC - (left pos.)

- Connection To Lock

- Input Connections

- Relay Connections

- PC Board

**Alarm Cable Connector**