This sheet covers installation of the CCTV Kit in existing Sentex Systems Crown Jewel units equipped with CCTV mount. For proper installation, please read and follow these instructions carefully.

This kit contains:
- CCTV Board
- 12 Volt 20 VA Wall Transformer

You will also need:
1. **Power Wire** – 2 conductor cable
   - **AC/DC Power Wire Size:** 18 AWG
   - **Distance:** Up to 100 Feet
2. **Video Wire:** Single conductor 75 ohm RG-59U coaxial cable, (Belden #9240 or equiv.) with BNC connectors (Amphenol #31-71008 or equiv).
   - **IMPORTANT:** Coaxial cable length should not exceed 1000 feet (max length based on monitor with .25 volt p-p. composite signal sensitivity).
3. **Monitor**, or television with video input.

Installation Notes
- The CCTV interface board requires a separate power supply from the Crown Jewel unit (a 12 Volt 20 VA wall transformer is included in kit).
- The video signal is continuously available at J2 on the CCTV interface board.
- The CCTV signal is black and white.

Installation

1. **IMPORTANT:** Shut off power to the unit at its dedicated circuit breaker.
2. Open front panel of unit.
3. Pull power wires from power supply to unit through separate power wire conduit (if used).
4. Pull video cable from television or monitor to unit through separate signal conduit (if used).
5. Remove and discard four mounting plate screws and mounting plate from front panel.
   - **NOTE:** Male-female standoffs remain in place.
7. Remove lens cap from CCTV lens.
8. Mount CCTV board on front panel male-female standoffs with J2 coax connector facing the bottom of unit (see Figure 1). Make sure camera lens aligns with window in front panel.
   - **CAUTION:** Use care with next step. Male-female standoff studs will break if overtightened.
9. Secure CCTV board to front panel by installing four female-female standoffs removed in Step 7 on male-female standoffs. Carefully snug with 3/16” nut driver (see Figure 1).
10. Connect coaxial cable with BNC connector to J2 BNC connector on CCTV board (see Figure 1).
11. Connect the power wire to terminal block TB1 (see Figure 2).
   - 11.1 Lift blue terminal block off TB1 terminal pins.
   - 11.2 Remove “head” and loosen screws.
   - 11.3 Insert wire into opening on front and tighten screw until wire is held firmly.
   - 11.4 When both connections are made, plug terminal block back onto pins.
Test and Adjustment

1. Plug in AC power supply.
2. Turn on power to unit at dedicated circuit breaker.
3. Plug coax cable into monitor or television.
4. Turn monitor or television on. The CCTV picture will appear.
5. Close front panel.