

## DXS-81 BILL TRAP INSTALLATION TIPS

The DXS-81 battery powered cash drawer bill trap contains a built-in transmitter. The DXS-81 is concealed in a cash drawer under a stack of currency, with a single "bait" bill secured in its money clip. During a hold-up, the cashier removes the stack of currency along with the "bait" bill. When the "bait" bill is removed, the transmitter sends a 1-second digitally coded wireless signal to its companion receiver. Four additional 1-second signals are sent within the first minute after the "bait" bill is removed. When the "bait" bill is replaced, a restore signal is sent.

### Status Signal Timer or Motion Sensor Option

DXS-81 bill traps normally send a status signal every hour. Cash registers, their internal components, and metal cash drawers can reduce the signal power from the transmitter. Inside the transmitter is a rolling ball that detects when the cash drawer opens and closes. Because the transmitter's hourly status signal might be shielded in a closed cash drawer, the status signals can be selected (with a jumper) to only be sent when the rolling ball detects the cash drawer being opened.

**NOTE:** When installing a DXS-81 in a metal cash drawer, be sure and set the hourly status timer jumper in the transmitter to the disable position (jumper towards the batteries). This enables the rolling ball motion sensor and disables the hourly status timer.

Construction materials (especially metal) in the installation will also affect the workable radio range between a transmitter and receiver.

### Installation Tips

To achieve the best radio range in a bill trap installation follow these tips when mounting the receiver:

- Install the receiver above the transmitter(s) with the shortest distance practical between the units. Generally, the higher the receiver is above ground, the better the radio range will be.
- Locate the receiver in an area where the least amount of construction materials (especially metal) is between the transmitter(s) and receiver (see diagram for construction material signal loss examples).
- Never install a receiver inside a metal box! Keep all sides of the receiver at least two inches away from metal.
- Never install multiple receivers closer than 15 feet from each other (use a multi-channel receiver instead).
- Mount the receiver away from other electrical devices (computers, telephone systems, etc.) that may radiate interference that will reduce the receiver's range.
- DO NOT add to the receiver's antenna! The antenna wire on the receiver is factory cut to a balanced length. Use a receiver designed for an external antenna if a remote antenna is required.
- If a range problem is encountered, test the system with the receiver mounted in various locations. Small movement of the receiver may be all that's required to correct the problem.

ALSO REFER TO THE DXS-81 INSTALLATION INSTRUCTIONS

