

Section 1

General Description

The ClearPath™ sequencing radio transmitters provide reliable wireless activation of two automatic doors. This single device provides 3 selectable frequencies: High Definition Radio Control™ (HDRC™), 300 MHz and 390 MHz.

High Definition Radio Control™ is the latest breakthrough in radio frequency (RF) signal transmission. Unlike conventional RF systems in use today, HDRC™ uses a sophisticated component that transmits a fixed frequency signal that does not distort due to outside interference. This fixed signal is then transmitted through a proprietary "electronic filter" in the receiver ensuring door activation occurs. For added versatility, each sequencing transmitter includes the two most widely used conventional frequencies, 300 MHz and 390 MHz. A simple slide switch allows them to be used interchangeably with all past MS SEDCO products and competitor's products utilizing these frequencies.

The **CP/STX** is the sequencing version of the CP/TX for wall mount applications.

The **CP/STX-J** is the sequencing version of the CP/TX-J for jamb mount applications.

The **CP/STX-P** is the sequencing version of the CP/TX-P for post mount applications.

All transmitters share the same printed circuit board, however each sequencing version receives a programming upgrade that enables them to transmit two separate signals with an adjustable time delay between them to sequence vestibule doors one after the other from either direction.

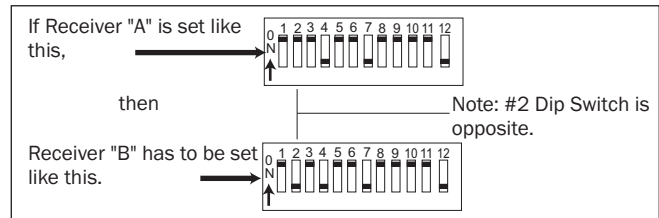
Section 2

Basic Installation

Receivers: 2 CP/RX's required

- 1) **SELECT FREQUENCY:** Select the desired frequency, via the 3-position slide switch on the circuit board, for 2 different receivers (see diagram on inside of CP/RX cover). HDRC™ is factory setting.
- 2) **SELECT SECURITY CODE:** Set the security code on each CP/RX receiver as follows:
Receiver "A" — set any code desired
Receiver "B" — set the same code as Receiver "A" EXCEPT the #2 dip switch should be in the opposite position (Fig. 1).

FIGURE 1



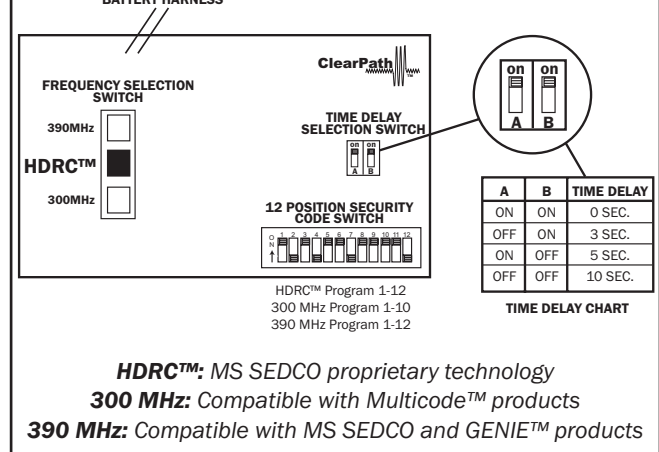
HDRC Program 1-12
300 MHz Program 1-10
390 MHz Program 1-12

- 3) Install Receiver "A" in its intended location at the **exterior door** and Receiver "B" in its intended location at the **interior door** using instructions provided with the receivers.

Sequencing Transmitters:

- 1) **SELECT FREQUENCY:** Select the desired frequency, via the 3-position slide switch on the circuit board, for each sequencing transmitter (Fig. 2) to **match** the receivers. HDRC™ is factory setting.
- 2) **SELECT SECURITY CODE:** Program the desired security code, via the 12 dip switches on the circuit board, for each sequencing transmitter (Fig. 2) to **match** the code of the receiver that it should activate as follows: Exterior Sequencing Transmitter=Exterior Receiver "A" Code
Interior Sequencing Transmitter=Interior Receiver "B" Code
Optional Vestibule Sequencing Transmitter (between doors) = Either Receiver Code.
- 3) **SELECT TIME DELAY:** Program each sequencing transmitter for the desired time delay between activation of the two doors via the dip switches marked A & B on the circuit board (Fig. 2). If a sequencing transmitter is used between the doors set the delay to zero.

FIGURE 2



The sequencing transmitter will always send the programmed ID code (as set by the 12 dip switches) first, wait the desired delay time then send the second ID code (which is the same as the first except #2 dip switch is opposite).

- 4) Plug the 2-lead transmitter wiring harness onto the "COM" (Common) and "N.O." (Normally Open) contacts located on the door activator's microswitch.
- 5) Activate the switch to ensure the system is working properly. Refer back to Fig. 2 if the time delay between doors needs adjusting.
- 6) Attach door activation switch to mounting box and install in its intended location. For switch post mounted applications (CP/TX-P), refer to the provided instructions for proper mounting.



NOTICE: This device complies with Part 15 of the FCC rules. Operation of this device is subject to the following two conditions: 1) This device may not cause harmful interference and 2) This device must accept any interference received, including interference that may cause undesired operation. Any changes or modifications not expressly approved by MS SEDCO could void the user's authority to operate this equipment.

FIGURE 3
Vestibule Sequencing Diagram

