RADIOEM903 - Dip Switch Transmitter
Replacement and Programming Instructions

Transmitters: Compatibility and Replacement

	Replacement Product			Discontinued Products		
Transmitter	RADIOEM903		• 3-Button Transmitter. • Operates up to 3 doors. • Open / Close function. • LED indicator. • 3V battery. • Sun-visor clip.	RADIO022 (MT3-1000)		• 3-Button Transmitter. • Operates 3 doors. • Open / Close function. • 9V battery. • Sun-visor clip.
				RADIO016 (MT2-1000)		• 2-Button Transmitter. • Operates 2 doors. • Open / Close function. • 9V battery. • Sun-visor clip.
				RADIO027 (MT-1000)		• 1-Button Transmitter. • Operates 1 door. • Open / Close function. • 9V battery. • Sun-visor clip.

Programming Instructions

➢ RADIOEM903 Transmitter Initial Configuration: Use it to Control 1, 2 or 3 Doors.

1. Press and HOLD **Buttons** ① and ③ simultaneously for **5 sec**. The **RED LED** will 💡 **BLINK**. You have 15 sec. to complete the configuration or you will need to restart.
2. Release **Buttons** ① and ③.
3. Press **Button** ① or ② or ③ in order to configure the transmitter to the appropriate number of doors to be controlled by this transmitter, ie: ① for 1-Door, ② for 2-Doors, ③ for 3-Doors.
4. The **RED LED** will stop 💡 blinking. Programming is now complete.
5. The remaining buttons will be deactivated.
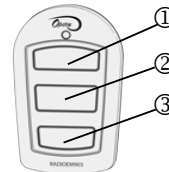
➢ Replacing RADIO022 (3-Door Transmitter) with new RADIOEM903 (3-Door Transmitter):

The DIP SWITCH transmitter has 10 switching keys. With the use of a screwdriver or a pen, place the dip switch keys on RADIOEM903 at the same positions as those found on RADIO022.
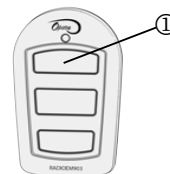
Coding the Receiver (as reference):
➔ Dip Switch Keys **#1 to #7** = must be at the same ON / OFF positions as the transmitter.
➔ Dip Switch Keys **#8, #9, #10** = coding of the receiver number ①②③ (refer below for the receiver number).

Door ① = Receiver ① ➔ Button ①

Keys **#8** and **#10** must be set to **ON**. Key **#9** must be set to **OFF**.

	1	2	3	4	5	6	7	8	9	10
ON								■		■
↑			Must match with transmitter						■	

Door ② = Receiver ② → Button ②

Key **#8** must be set to **ON**. Keys **#9** and **#10** must be set to **OFF**.

ON ↑	1	2	3	4	5	6	7	8	9	10
								■		
	Must match with transmitter								■	■
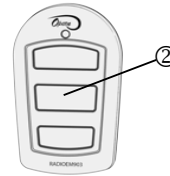
Door ③ = Receiver ③ → Button ③

Keys **#8** and **#9** must be set to **ON**. Key **#10** must be set to **OFF**.

ON ↑	1	2	3	4	5	6	7	8	9	10
								■	■	
	Must match with transmitter									■
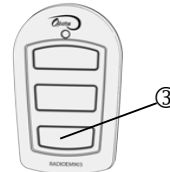
➢ **Replacing RADIO016 (2-Door Transmitter) with new RADIOEM903 (3-Door Transmitter):**

The DIP SWITCH transmitter has 10 switching keys. With the use of a screwdriver or a pen, place the dip switch keys on RADIOEM903 at the same positions as those found on RADIO016. Use buttons ① and ② to operate the 2 doors.
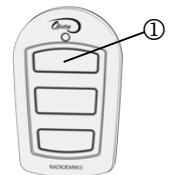
Coding the Receiver (as reference):

➔ Dip Switch Keys **#1 to #7 and #9** = must be at the same ON / OFF positions as the transmitter.

➔ Dip Switch Keys **#8 and #10** = coding of the receiver number ①② (refer below for the receiver number).

Door ① = Receiver ① → Button ①
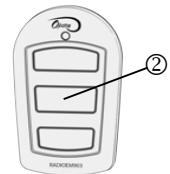
Keys **#8** and **#10** must be set to **ON**.

ON ↑	1	2	3	4	5	6	7	8	9	10
								■		■
	Must match with transmitter									

Door ② = Receiver ② → Button ②

Key **#8** must be set to **ON**. Key **#10** must be set to **OFF**.

ON ↑	1	2	3	4	5	6	7	8	9	10
								■		
	Must match with transmitter									■

➢ **Replacing RADIO027 (1-Door Transmitter) with new RADIOEM903 (3-Door Transmitter):**
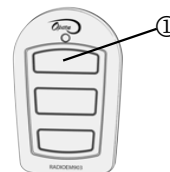
The DIP SWITCH transmitter has 10 switching keys. With the use of a screwdriver or a pen, place the dip switch keys on RADIOEM903 at the same positions as those found on RADIO027. Use button ① to operate the door.

Coding the Receiver (as reference):

➔ Dip Switch Keys **#1 to #10** = must be at the same ON / OFF positions as the transmitter.

Door ① = Receiver ① → Button ①

ON ↑	1	2	3	4	5	6	7	8	9	10
	Must match with transmitter									

Receivers: Compatibility and Replacement

Replacement Product			Discontinued Products		
Receiver	RADIORE900	• Controls 1 Operator. • Easy installation on wall close to operator or directly onto operator's control box. • Operates on 24VAC/VDC. • LED indicator. • Includes 2 mounting screws and anchors. • Optional commercial antenna (RADIO029) and 15' coaxial cable (CABLE015) available for increased range and distance.	RADIO014 (MR-1000)		• Controls 1 Operator. • Installed directly onto operator's control box. • Operates on 24VAC. • LED indicator.
			RADIO015 (MRX-1000)		• Controls 1 Operator. • Installed directly onto operator's control box. • Includes commercial antenna (RADIO029) for increased range. • Optional 15' coaxial cable (CABLE015) available for increased distance. • Operates on 24VAC. • LED indicator.

➢ **Replacing RADIO014 or RADIO015 Receivers with a new RADIORE900 Receiver and Pairing it to an Existing Transmitter:**

1. Press the **LEARN** button on the RADIORE900 receiver. The **RED LED** will 💡 **BLINK**. You will have 15 sec. to complete the pairing or you will need to restart.

2. Press the desired **Button** (① or ② or ③) on the existing transmitter that you wish to pair to the RADIORE900 receiver.

3. The **RED LED** will stop 💡 blinking. The RADIORE900 has now been paired with the existing transmitter.

4. Only one transmitter needs to be matched per receiver. The other transmitters with the same dip switch configuration will pair automatically.

➢ **Pairing RADIOEM903 Transmitter to RADIORE900 Receiver:**

1. Make sure the dip switch keys inside the RADIOEM903 transmitter are set, refer to the Programming Instructions on p.1.

2. Press the **LEARN** button on the RADIORE900 receiver. The **RED LED** will 💡 **BLINK**. You have 15 sec. to complete the configuration or you will need to restart.

3. Press the desired **Button** (① or ② or ③) on the transmitter that you wish to pair to the RADIORE900 receiver.

4. The **RED LED** will stop 💡 blinking. The RADIORE900 has now been paired with the transmitter.

5. Only one transmitter needs to be matched per receiver. The other transmitters with the same dip switch configuration will pair automatically.
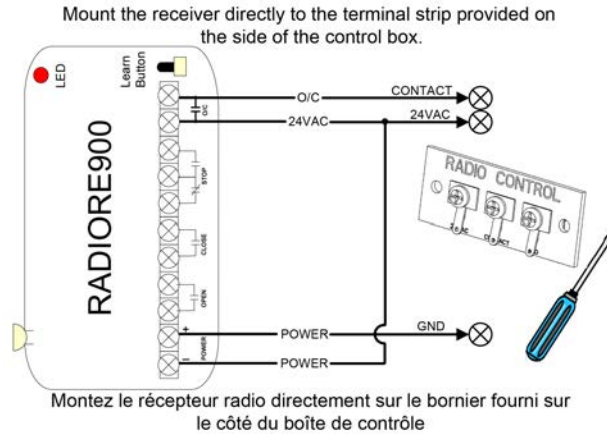
Wiring RADIORE900 Receiver for Open / Close Function

*Figure 1 - Wiring of RADIORE900 Receiver
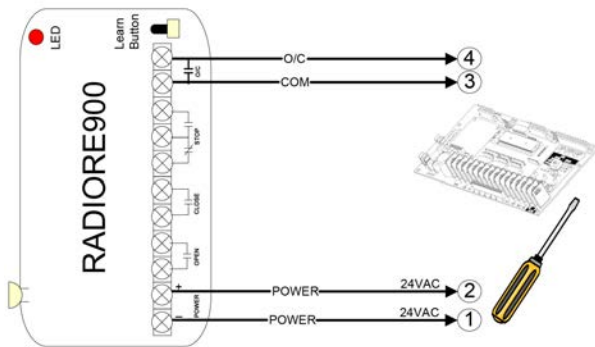Operator's External Terminal Strip*

*Figure 2 - Wiring of RADIORE900 Receiver for
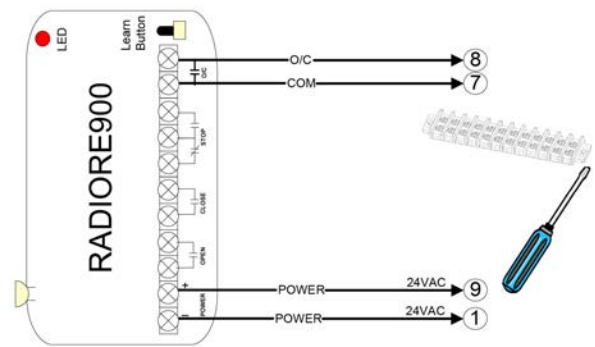Electronic Control BOARD*

*Figure 3 - Wiring of RADIORE900 Receiver for
Electro-Mechanical Control*

For further information, please consult the operator's Installation & Instruction Manual or contact our Technical Support Department at **1-800-361-2260**.