

# ***RR-TRAN***



## ***QUICK SETUP GUIDE***



## **CALSENSE INTEGRATED RADIO REMOTE INSTRUCTIONS**

The Calsense Integrated Radio Remote will activate station outputs on Calsense ET1 Controllers, manufactured after 1999, and all ET2000 Controllers (with the –RR option installed). The user activates a controller's remote receiver by issuing a "Wake-up" command from the transceiver (RR-TRAN). Only the controller receiving the "Wake-up" command will respond to the transceiver's commands, guaranteeing the correct irrigation station coming on. This is accomplished by entering a unique three-digit Command Code at each controller.

### **Setting the Normal Command Code at the controller:**

#### **For the ET1 Controllers:**

Press the **TEMP** key to access the Radio Remote screen (Figure 1.0). Press the **CHANGE** key to highlight the three (3) digits of the Normal Command Code (the command code is defaulted at \*111). Use the **UP/ARROW** or **DOWN/ARROW** key to change the Command Code (the Command Code can be a number between \*001 and \*999). Press the **ENTER** key to return to the Main Display.

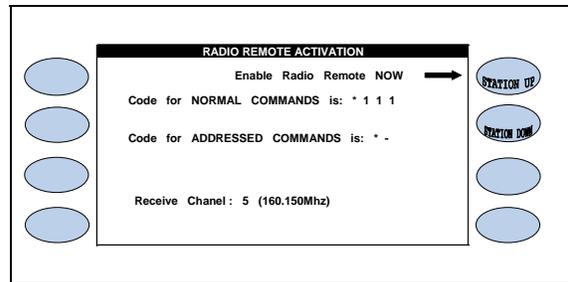
Receive Channel 5 (160.150 Mhz)

> Enable RADIO REMOTE NOW  
> Code for NORMAL COMMANDS is \*111  
> Code for ADDRESSED COMMANDS is \* -

**Figure 1.0**

#### **For the ET2000 Controllers:**

Press the **MAIN MENU** key. Press the **RADIO REMOTE** Menu key, the RADIO REMOTE ACTIVATION screen will appear (Figure 1.1). Press the **PLUS** or **MINUS** key to change the first digit of the Command Code (the Command Code is defaulted at \*111). Press an **ARROW** key to move the highlight to the next digit. Press the **PLUS** or **MINUS** key to change the digit, repeat for the last digit (the Command Code can be a number between \*000 and \*999).



**Figure 1.1**

**Note:** The asterisk (\*) is a permanent part of the Normal Command Code and cannot be changed.

### **Activating the Radio Remote using the RR-TRAN:**

1. Power on the Handheld Radio Remote.
2. Press and hold down the "Push to talk" button.
3. On the keypad. Enter the four key Normal Command Code.  
  
**Example:**  
**\*111**
4. Release the "Push to talk" button. The controller will display "Radio Remote Active".

**Note:** After 15 minutes of non-use, the controller will time out and automatically deactivate Radio Remote mode.



 **Command List:**

Command	Response
*nnn	Activate ("Wake-up") the controller's radio remote receiver (Example: Press *111).
n#	Turn ON a station (Example: Press 5# to turn ON station 5). A maximum of three stations can be turned ON at one time.
#	Turns ON the last station turned OFF. This command can be issued repeatedly until a maximum of three stations are turned ON(the stations must have been recently turned OFF to be turned back ON).
n*	Turn OFF a station (Example: Pressing 14* will turn OFF station 14).
*	Turn OFF the last station turned ON. This command can be issued repeatedly when multiple stations are ON. Stations will be turned OFF in the reverse order the came ON.
**	Turn OFF ALL stations which are on, including the master valve.
***	Deactivate Radio remote mode (also turns off any stations that are ON).
91#	Enable AUTO UP/DOWN mode. When in AUTO UP/DOWN mode, press 3 for station up, press 1 for station down.
91*	Exit AUTO UP/DOWN mode.

Note: Activating the Master Valve: Using the Radio Remote, turn ON a station, then press \* to turn OFF the station, leaving the Master Valve ON.

 **Addressed Command Mode:**

Under normal circumstances it will **not** be necessary to use the Addressed Command mode, but if two users were in the same vicinity and each is using the Radio remote on separate controllers, it could be necessary for one to use the Addressed Command Code, otherwise each user could be activating stations simultaneously on both controllers. Addressed Command mode can be entered manually at the controller, and will remain active only during the current session.

The Addressed Command Code is set at the same screen and in the same manner as the Normal Command Code (as explained on the previous page). It consists of a one digit code preceded by an \*.

**Example:**

**\*3**

Once the addressed Command Code is set, the remote receiver must be activated manually at the controller (For ET2000, press the **ENABLE RADIO REMOTE NOW** Menu key, for the ET1, Press the **CHANGE** key to highlight **ENABLE RADIO REMOTE NOW**, then press the **ENTER** key). Once the remote receiver has been activated, all commands issued from the transceiver must be preceded by this Addressed Command Code, only the controller with this code will respond to the transmitted commands. In the examples below, the Addressed Command Code is set to \*3.

**Example:**

To turn station 14 ON the user would press	<b>*314#</b>
To turn station 14 OFF the user would press	<b>*314*</b>
To turn OFF all stations the user would press	<b>*3**</b>
To deactivate Radio Remote mode the user would press	<b>*3***</b>



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