

# DOSY

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## Product Description:

**Power Supply: 12 Volts D.C.**

**Battery Drain: 200mA in monitor position**

**Case: 8 1/4"W X 5 3/4"H X 1 3/4"D**

**Cable: 25'**

### ***Important:***

This intercom is designed to be operated on a 12 VDC system only. If the intercom is wired to a positive ground system, no harm will be done to the unit, "Reverse Polarity Protection" has been incorporated into the design. See instruction #3 for installation for positive ground systems.

## Installation Instructions

After unpacking the intercom system, you will notice that both units are connected by a five-wire cable. This was done so that the user, when installing the intercom, can cut the five-wire cable at any spot desired to fit their particular application. After you have located the best spot for mounting the master unit in the cable, and the station unit in the rear, then cut the five-wire cable.

### Note:

Motor Noise - Route the intercom cable on top of the floorboard to the rear compartment. This should eliminate all motor noise.

1. Mount the master unit into the cab. The most desirable positions under or on top of the dash panel. The master unit will be the one with the black, red and brown wires coming out of the back panel. Attach the mounting bracket to the master unit using screws provided.
2. Now route the five-wire cable from the master station through an access hole to the rear for connecting the five-wire cable to the station unit five-wire cable. Make sure that you connect this cable color to like color.

3. Always connect the black to the ground first. (No need to have this unit switched off as the amount of current draw is relatively small and will not run down the battery.) The intercom units have built-in reverse polarity protection and connecting incorrectly at the time of installation will not cause a malfunction in the unit. The only noticeable effect is that the intercom will not work, but the back lighting will light up even if the intercom is hooked up in reverse polarity. If this happens, reverse the leads. The intercom can be used in vehicles where the battery positive is connected to the frame. For positive ground installations, connect the black wire to the hot battery circuit, and the red wire to the frame.
4. Strip the red wire that comes from the back of the master unit and hook the red wire to the positive side of the ignition switch.
5. This step is optional and is to be completed if the intercom is going to be used with the radio. Strip and connect the brown wire from the master unit to one of the radio speaker connections at the main radio. After connection is complete, turn on the cab radio. If loss of volume into radio is apparent, reversing the connection to the other speaker will have to be made.

## Operation Instructions

### Note:

Every time the ignition is turned off then back on, the master unit will default to the "Stand By" position green light.

Before operating your new intercom, study the front panels on both units. You will notice that the master unit front panel reads: "Stand By/Radio", "Monitor", and "Talk". The station unit front panel reads: "Talk" and "Monitor".

After you have familiarized yourself with both units, you are ready to use your intercom. Turn on the ignition switch. To monitor the rear with the master unit activate by pressing "Monitor". A red light comes on. If monitor function is not wanted, press the "Stand By" button. At this point, if the rear unit wants to communicate with the master unit, the "Talk" button on the station unit has to be pressed only once. This automatically puts the master station in monitor position. If the master

station desires to call the rear, just push and hold the "Talk" button while speaking. Release the button to monitor the rear station unit.

### **Radio Instructions (Optional)**

If the radio feature is installed, the station can be used to monitor the front radio.

1. The master unit must be in stand by position.
2. The monitor button, on the station unit, must be pressed to hear the radio. The radio will always be canceled when any communication between master unit and station unit occur. If this happens, step 1 and 2 must be repeated to the monitor the radio again.

#### **No Radio:**

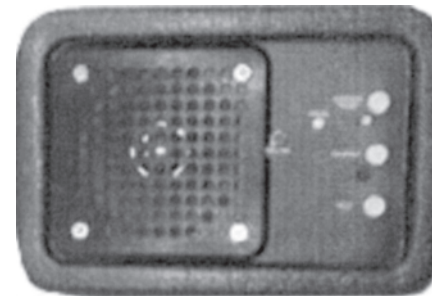
If the intercom works, but you have no radio through the station unit, change the brown wire to the other connection on the main radio speaker. If still no radio is heard, put the brown wire to the high side of the main speaker (the ungrounded terminal) and check the brown wire going to the station unit for a break or bad connection.

#### **Note:**

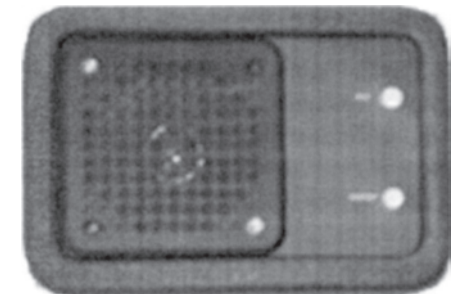
Since the radio sound does not go through the intercom amplifier, if the "Talk" function work satisfactorily, but there is no radio, the intercom is not at fault. The installation should be checked as above for breaks or shorts to the frame. If a disconnected plug is used, make sure to check that all wires are connected securely and are connected color to like color.

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**Master Unit**



**Station Unit**

## 12V DC Intercom Instruction Manual