

## RSC-900

### Road Side Communicator



## User Manual

### **NOTE:**

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

## **Installation & Operation instructions**

The RSC-900 should be installed by professional installers ONLY authorized ONLY by the local distributor – the “*Operating Company*”

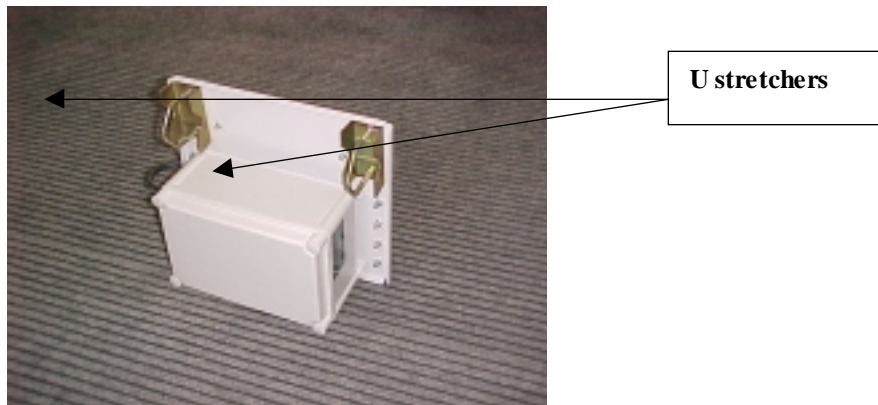
The RSC has to be installed on a horizontal pipe above the center of a road lane.



The pipe has to be 1.5” up to 2” in diameter, and its length has to be sufficient to locate the RSC over the center of the lane. (The width of a standard lane is about 3.6m). For longer pipes and for areas with extreme winds it is important to add additional supports (still cables, etc.) to prevent bending of the pipe.

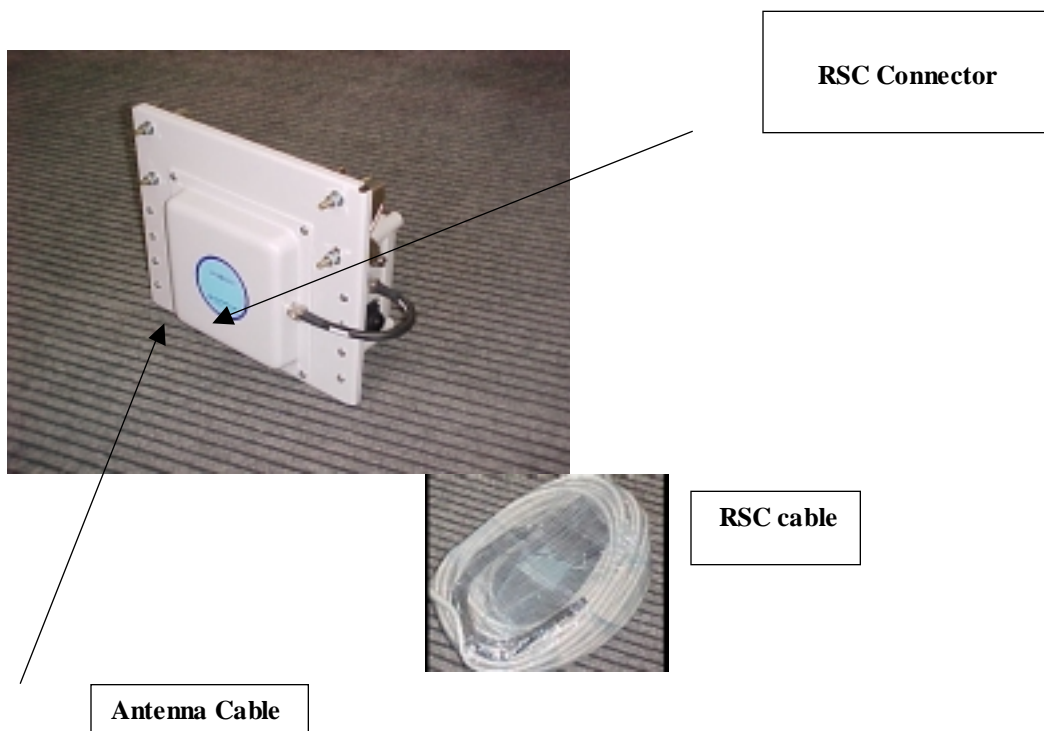
### **Installation of RSC on the pipe**

The unit has two U stretchers that are connecting the main plate to the horizontal pipe.



## RSC cable connection

1. Connect the RSC Cable to RSC connector



The RSC-900 is delivered with a connected antenna.  
Do not remove or change the antenna cable connections.

The use of any antenna other than the one being an integral part of the RSC-900 is expressly forbidden in accordance with FCC rules CFR47 part 15.204.

Failure to do so may void the product warranty and may expose the end user or the service provider to legal and financial liabilities.

## **Power and communication connections**

- Connect the main power (24 V) to the RSC cable to pins No 23/24 (+) and pins No.21/22 (-)
- Connect the Communication line to the RSC cable to pins No: 11 (TXD), 10 (RXD), and 21/22 (GND)

## **First operation test**

- 1) Set up the basic initialization parameters:
  - Communication mode
  - DMRC (Data Management & Report Center) telephone Number
- 2) Call operating center of the “*Operating Company*” and give the RSC-900 serial number and the local phone number for the RSC registration process in the DMRC.
- 3) Perform the communication test with the DMRC (Operating center) and the unit remote initialization.
- 4) Perform Operational test.

Here we will add additional instructions according to the “*Operating Company*” requests

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**We will be happy to assist you at operating support center**

**Tel:**

**Fax:**

*“Operating Company”* Name Logo and address

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