

ELECTRONIC RAIN COUNTER

This instruction manual is organized to take you step-by-step through the procedures required to set up and use the Electronic Rain Counter.

CONTENTS OF PACKAGE

Make sure your Rain Gauge package contains the following parts before attempting to install it.

- ◆ **Electronic Counter with mounting bracket**
The electronic counter includes a short cable with a coupler on the end for connection to the rain collector cable.

TOOLS AND MATERIALS NEEDED

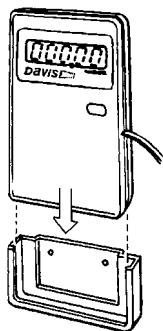
You will need some of the following tools and materials.

- ◆ **Davis Standard Rain Collector**
The Electronic Counter will only work with the standard version of Davis Instrument's Rain Collector (#7852 or #7852M)
- ◆ **AAA Battery**

INSTALLING THE BATTERY

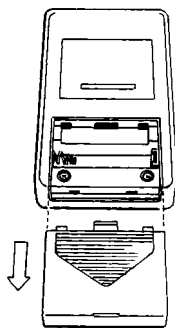
You must install a single AAA battery into the electronic counter. A fully-charged battery will power the electronic counter for more than one year.

1. Remove the mounting bracket from the bottom of the electronic counter by sliding it down until it is free.



REMOVE MOUNTING BRACKET

2. Remove the battery cover by sliding it off the counter.



REMOVING BATTERY COVER

3. Insert the battery into the compartment.
The battery compartment contains a figure showing the correct battery orientation.
4. Replace the battery cover by sliding it back into place.

TESTING THE STAND-ALONE RAIN GAUGE

Before installing the rain collector, test the electronic counter.

1. Remove the rain collector's cone from the base.
Consult the rain collector manual for instructions.
2. Plug the rain collector cable into the coupler at the end of the electronic counter's cable.

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3. While watching the display on the electronic counter to see if it changes, slowly tip the bucket until it drops to the opposite side. If the display does not change, you may be tipping the bucket too quickly. Try again, more slowly this time.
If the electronic counter display increases by 0.01" (or 0.2 mm if you have the metric rain collector) each time you tip the bucket, your electronic counter is working properly and you may continue the installation.
 4. Clear the rainfall amount by pressing the button on the front of the electronic counter.

USING THE ELECTRONIC COUNTER

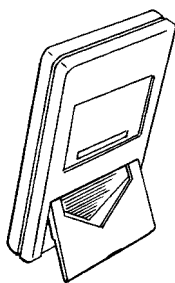
After installing the rain collector, connect the rain collector and electronic counter by plugging the rain collector cable into the coupler at the end of the electronic counter's cable. Once connected, the electronic counter continually tracks and displays rainfall in either 0.01" or 0.2 mm increments (depending on the model you own). You may display the electronic counter on a wall, shelf, table, or other similar surface.

To Display the Electronic Counter on a Wall

Slide the wall mounting bracket over the end of the electronic counter. The slots on the side of the electronic counter act as a guide. Remove the backing from the adhesive pad on the back of the mounting bracket and stick the mounting bracket (and electronic counter) to the wall in the desired location.

To Display the Electronic Counter on a Shelf or Table

Pop the brace free from the battery cover. You may wish to use a coin, small screwdriver, or a fingernail in the slot at the bottom of the unit to get the brace free. Use the brace to prop up the electronic counter on any flat surface (desk, table, shelf, etc.).



DISPLAYING ON A SHELF OR TABLE

To Clear the Electronic Counter

Press the button on the front of the electronic counter. This resets the rainfall amount to 0.

TECHNICAL SUPPORT

Before calling Technical Support (1-510-732-7814), carefully check all cable connections from the rain collector to the electronic counter. Cable connections account for a large portion of the potential problems. Connections should be firmly seated in the jacks and plugged in straight. If you think a connection may be faulty, try jiggling the cable while looking at the display. If a reading appears intermittently on the display as you jiggle the cable, the connection is faulty.

Product Numbers: 7977 & 7977M

Davis Instruments Part Number: 7395-023

Electronic Rain Counter

Rev. A Manual (7/7/99)

This product complies with the essential protection requirements of the EC EMC Directive 89/336/EC.

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