BAROMETER INSTRUCTIONS

This instrument is the result of many years of development and experience and ensures top quality and trouble-free service.

GENERAL REMARKS: Air pressure is a facture determining the weather we enjoy, and a barometer is an instrument designed to record changes in air pressure.

When the air pressure falls, the pointer on the barometer will move to the "RAIN" direction (lower pressure). When air pressure rises, it will move back towards "FAIR" (higher pressure). The actual indications shown on the barometer dial ("RAIN", "CHANGE", "FAIR" etc.) are less important than noting carefully if the pointer is rising or falling.

Check the reading on your barometer daily, if possible at the same time each day. Always turn the center knob on the dial so that the pointer is directly aligned with the barometer pointer. The next time you check the barometer reading you will be able to see by the gap between the instrument pointer and the moveable pointer weather or not there has been a change in air pressure, and if so in which direction.

Before leaving the factory, the barometers are calibrated to standard air pressure at sea level (0 meters/feet).

Since your place of residence may be some distance above sea level, the barometer must be recalibrated to the height at which it is to be used, since air pressure drops with increasing altitude above sea level.

There are two scale ranges on the barometer dial: millimeters (mm) and millibars (mb), or inches (in).

HOW TO ADJUST THE BAROMETER TO THE CORRECT HEIGHT SETTING?

A screw marked plus (+) and minus (-) is located on the back of the instrument. Turn this screw **only towards the plus (+) direction** (even if

there seems to be no movement at the pointer after the first full turn of the screw) until the barometer pointer moves to 1013 millibars (mb) changing point. Next, adjust the pointer (depending on the weather conditions at the time) slightly towards the direction of “FAIR” or “RAIN”.

You can also calibrate the instrument in accordance with the details broadcast by local radio, TV stations or on-line weather report.

Note that the barometer normally operates over a pointer range from approx. 990 to 1040 millibars. When adjusting the instrument, therefore, the pointer should always move only within this range on the scale.

After adjusting the barometer in this manner, it will enable you to forecast local weather conditions for the following 24-48 hours.

Thermometer with dial (bimetallic)

This instrument is accurately calibrated before leaving the factory. If the pointer setting needs correction on account of disturbance by external influences, turn the adjusting slot on the back of the instrument to reset.

Hygrometer

With the **hygrometer** (humidity gauge) you can check relative air humidity.

The most suitable air humidity level for living rooms is between 50% and 75% at a room temperature of approx. 21ºC (70ºF).

HOW TO ADJUST A HYGROMETER

Due to transportation, this instrument may be off scale. To adjust, put damp cloth on the back of the humidity indicator for 20 minutes. The scale should then read approximately 95. If it reads a lower number or is off scale completely, merely turn screw on back until the pointer is on 95. The humidity indicator will then start to operate again. To maintain accuracy of the instrument, it is advisable to repeat this procedure every six months.