OPERATING INSTRUCTIONS FOR FRANKLIN F12-6 RADIO CONTROLLED CLOCKS

Congratulations! You have purchased one of the most accurate analog clocks available. Upon inspection, you will notice there is no provision for manually setting the time. This is because the clock is controlled by radio waves emitted by an atomic clock located at Fort Collins, Colorado. The U.S atomic clock is accurate to less than 1-second deviation in 1.8 million years.

FRANKLIN’S F12-6 will automatically set itself to the correct time and execute the changes from standard time to daylight savings and back. An override button is provided for use in Arizona and counties in Indiana not requiring seasonal correction.

Note: at no time should the hands be adjusted manually.

CLOCK LOCATION GUIDELINES
The radio-controlled clock should not be placed within 5 feet of any items that can interfere with reception.
Electronic appliances: televisions, radios, microwaves, computers, another Radio Controlled clock, phones or stereos.
Electric or metal appliances: stoves, refrigerators, air conditioners and neon signs.
Large metal surfaces such as aluminum or steel siding, metal counters or cabinets.

The best reception will be on a wall near a window that faces Fort Collins, Colorado. Due to the nature of long wave radio signals it may not possible to receive a signal during the day so it is best to install the battery late in the evening.

STEP ONE
Unpack clock from box. Verify that the hands are in position at 12 o’clock. Next, turn clock over and locate the locking pin on the rear of the movement. (Do not remove pin at this time).

STEP TWO
Select mounting location consistent with above location requirements and mount clock from wall hanger, screw or nail.

STEP THREE
Remove and save the locking pin. Insert a fresh “AA” size alkaline battery into the back of the movement, making sure to observe the correct +/- polarity markings in the battery compartment. The clock’s second hand will advance eight seconds (two seconds per step, X four steps). This indicates the clock is now searching for a signal. For the initial setting it is recommended to stand the clock in an upright position near a window. Within five minutes the clock will either begin to set itself, or determine that the signal is not receivable at this current location or time of day. If a signal is not receivable the hands will move fast to the 4, 8 or 12 o’clock position and search for the WWVB signal each hour until received.

STEP FOUR
Upon receiving the signal, the clock will set itself to Pacific Time; you may then press the appropriate zone button.
Pacific Time = PT, Mountain Time = MT, Central Time = CT, Eastern Time = ET
Should you desire to disable Daylight Savings seasonal correction, press the button located between CT and ET.
Your clock can only set itself to one of the four time zones stated above.

PROBLEMS OR DIFFICULTIES
The WWVB time signal will easily penetrate masonry and wood frame buildings. WWVB is obtainable in most steel buildings providing there are adequate windows. It is not possible, however, for WWVB to penetrate most indoor shopping malls and rooms in the center of large buildings that do not have windows. In buildings that WWVB cannot penetrate you may set the time using the manual time set button. When the clock is exposed to the WWVB signal it will automatically set the hands to the exact time.
In some instances, when no time signal is available, the clock movement will continue to search for a readable signal. Should it not find such a signal, the movement may stop. To reset, you must clear the memory by removing the battery and inserting it backwards for 5 seconds, remove the battery and install correctly. Ideally, restart the clock after 10:00PM, as the time signal quality is generally better during night hours.
Refer to clock location guidelines in these instructions and relocate the clock within the home/building until a signal is received.

LOW BATTERY FUNCTION
The second hand begins to advance in 2-second increments when the battery is low. When this condition is noticed, replace the old battery with a fresh one. After installation, let the clock reset itself by receiving the time signal. NEVER attempt to move the hands manually.

CHECKING TIMEKEEPING ACCURACY:
For the exact time call the NIST time and frequency service in Fort Collins at 303-499-7111 or visit their web site at http://www.boulder.nist.gov/timefreq. If your clock has received a signal and has set itself properly it will agree with the time broadcast.

Should you encounter problems with setting and/or operating the F12-6 Radio Clock
Please call 1-800-321-2353 for technical assistance