146

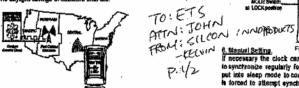
5.3

ATOMIC RADIO CONTROLLED LCD-MALL CLOCK WITH RF INVOUT THERMOMETER USER'S INSTRUCTION MANUAL (USA VERSION)

1. What is Alomic Radio Conjur?
The most practice time leaves

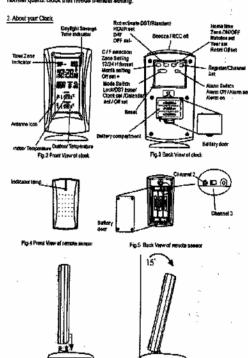
1-West is Afortio Redu Control.

The most precise Stree bearing device on earth is the atomit clock. It leeps -Bittle to the occurrecy of batter. Then it -second for every million years. The intentic clock is a flugge bloce of selectific equipment and it's accompanies that it is normally found in taborities and standards institutions etc. Thanks to the latest technology, the accuracy of the atomic block is now brought all your home. The MISTY (Mational Institute of Storolards and Technology) is thousableating electricizingly encoded time eignals based on an atomic clock form an antenna. In: Test Collins, Colorado to cover the maintain at the formal special polyment or processor of the according to the processor of the processor



For more information on the MST transmission and contum atomic clock yield well

www.bisnoc.gov/lime/seq
Note: The clock is used in USA mainland only, in the states of Alaska and Hawaii, the radio
aligned navy not be strong anaugh, for synchronisation and the clock can only be tised as a
normal quantz clock that needs namual setting.



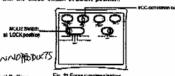
3. buttery Type.
The clock and the reprotessment uses 3 AAA or UM-4type sikeline butteries, insert the the door and the remotes eractures 3 AAAC UM-stype siteline betteries, insert the betteries observing the pelarities as shown in betteries observationate remove incutation legit if the stock-corned with betteries. (The clock is designed to maximize the bettery the The trade of of this is that with brand new betteries, Some shadowy effect appears out the LCD. The affect will lest Entry, love two days.)

na syecroperson. Die the bellinge, and instilled, The relock will other the synchrosization in ormitically and Discover symbol of the display will after Disking, to militains reamnes you are not allowed to operate the beliefs or bytone script, presi

The stock will activate auto synchronization at 6:00 p.m. in standard time (8:00pm in DST time) every iday. If the clock fails to synchronize in the first attempt, it will make a new attempt at the beginning of every hour attenwards for 5 more times, in most cases, the clock synchronizes assumption at the ratio signal to the stronged earl cleanest in the early morning. You may leave the clock to synchronize to the right time letter or you may temporately active clock in synchronize to the right time letter or you may temporately active clock marketing. If one mercusity active then, the clock will dust environments are the clock will attack that the clock will also the resolution of the clock will also the resolution of the clock will dust the clock will also will be clock will also the clock will also the clock will also will be clock will also the clock will also the clock will also will be clock will also the clock will also will be clock will be

The Carlo Carlo Control of the Carlo Carlo

5. Forced synchronization.
You can force the cluck to attempt synchronization any time by pushing the RCC activate button with the mode evilch at LOCK position.



6. Manual Setting.

Fig. 11 Force symmenization

If necessary the clock can be set manually. Once it is manually set. The clock will attempt to synchronize regularly for a low days, it all attempts are failed fall the receiver circuit is put into sleep mode to conserve the power. The clock will function as a quartz clock entil if is forced to attempt synchronization again. (section 5)

6.1 To set time zone & daylight Saving/Standard time.

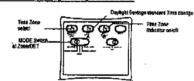


Fig.12 Time.zono/Daylight savings s After selbing is done.su1 Mode ewitch b

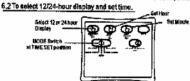
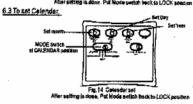


Fig. 13.12-24 Hour display switch and Time est After setting is done. Put Mode switch back to LOCK a



Alarm setting and enabling the starm.

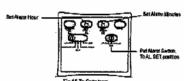


Fig 15.70 Setatorm Presettime. To stop temporaril atm s/U-repositor 4 temps with Verm Switch in part to OFF posipresent SNOOZE in every 5 m

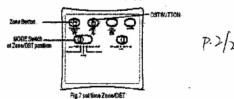
8: When Traveling to another place.
If you are traveling to another city, in the mainland of the USA. You carechang the acoust to shother city, in the mainland of the USA. You care traveling outsid USA mainland, You can other the hour.

8.1 to offset tone.

15 the mode switch is to OFFSET position you can set any offset value to material time in anytheric in the bodils. You can adjust not 102-23 offset by pressing.

4. The eyechronization.

Once the betteries are (testaled, This block will enter the synchronization made automatically end the tower symbol on the display will start blinking. To enginee the infantistence you are not allowed to operate the synthesize buttom except pressing encode buttom during the synchronization process. To set your local time, Calendar and smooze-outportorung the synchronization process, to exclypur logist ones, calertois and time zone. It is necessary to stop this synchronization process the process to button and the billiking tower symbol will disappear. After atopying the synchronization process you are allowed to use the switch and buttons to eat your desired information in following order: zone, time & Calerdar. To set zone more the mude switch at the back of your clock to Zone (SST position and spress zone setting button, its adject your clock to Zone (SST position and spress zone setting button, its adject your local place zone do not want to show the time zone on the display, push zone On/Off button.



After setting move the mode switch back to LOCK socilion.

At this time, the receiver circuit is automatically activated. This is symbolized by the blinking of the Anterna icon (See Fig. 8e). The Bars facing the Anterna indicate the strength of the radio signal, no bar means there is no or very weak signal received, one sak signal and 5 bars the strongest. (See Fig.8b)



stonal strenoth indication

Use the radio signal alrength indicator to find a location to hang the clock so that the Use the radius signified interpretable to make a location to nating this cook, acception to entropy, if the clock is too close to electrical appliances such as TV, mobile phone and computer they may cause undestrable signal interference. Strong signal is normally found close to the window. For good visual quality on the display avoid focations where there is strong glare or reflection on the lans.





It normally takes 3 to 10 trainules to synchronize. Once it is successfully done, the clock will show extremely accurate time and the correct date. On the display of a nized clock, the Antenna Icon is still and the beacon radiates.



Fig. 10 Example at eye

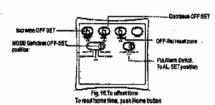
Aproperly synchronized clock attempts to adjust itself with radiatime signal everyday during late-right, early in the morning, Before noon and afternoon: if the clock did not synchronize the time in three consecutive days the amenna loon will disappear, but the clock will still function as a quartz clock until it get synchronized again.

The clock is a radio device and like the mobile phrons or the radio in certain locations and at certain time of the day, it may not be able to pick up signal strong enough to

B. f Te offest time.

IF the mode which is in OFF-8ET position you can set any offset value to match the time in application in the world. You can adjust from 0 to +23 offset by pressing.

OFF-9ET-4 (and adjust 0 to -23 offset by pressing OFF-9ET-8) If you want to resot offset to zero, it can be done by one louch on OFF-SET GLR button while the mode switch is at the OFF-SET mode.



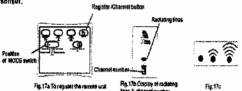
Note if you are traveling to the India Subcontinent where the local time is half an hour form the main time zone of the world you may reset the clock by taking off the batteries and then manually set the clock to the local time according to the procedure described ve. Hide the US time zone indicator on the LCO by putting Mode Switch at Zone/DST position and then push Z.CLR.

 Indoor and RF outdoor thermometer function,
your clock has a special thermometer function, which can show the indoor temperature
and outdoor temperature, Outdoor temperature will be detected by an external sensing unit and the encoded temperature data will be send to your dock via radio

Your clock may come with 1 or 3 remote thermo sensors. If it comes with 1 remote unit then you will only be able to sen the temperature of one distant location. If it come with 3 remote unit then you can see the temperature of 3 different distant locations.

9.1 Registering the remote sensors with your clock.

After installing the batteries to your clock and the remote unit, you should register the remote sensor with your clock to get the outdoor temperature reading. To register the



At this moment you can see the few lines over the channel display will blink and at the same time the Outdoor thermo display will show "--." Watch the indicator lamp on the remote sensor and you will see with a blink of the lamp your clock will show the outdoor samperature. If you could not see the blink of the lamp, Remove the batteries of the sensor and reinstal. When the display starts to show the outdoor temperature the few lines on the channel display will radiate as shown in Fig. 17c. This indicates the remote sensor has been registered correctly. If your clock comes with 3 remote sensors then you have to do the same registration process in each channel.

9.2 To set the outdoor display channel.

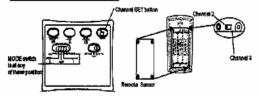
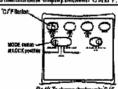


Fig. 18 b. Channel on the remote :

9.3To change the thermometer display between 'C and F.



INSTRUCTION TO THE USER

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

In order to maintain compliance with FCC regulations, shielded cables must be used with this equipment. Operation with non-approved equipment or unshielded cables is likely to result in interference to radio and TV reception. The user is cautioned that changes and modifications made to the equipment without the approval of manufacturer could void the user's authority to operate this equipment.