
Unscrew the front bezel and remove the dia
unit unit the black knob on the back of the
Turn
movement to adjust the hand to reflect local tide conditions
Replace the dial unit a
he case Replace
the case
The tide hand revolves once every 12 hours and 25
minutes. Strong winds and coastal conditions affect tide
cycles. Therefore, periodic resetting of the tide hand may cycles. Therefor
be necessary.
NOTE: Tide readings only work for the East Coast of the
United States. The Barometer
How it Works

A barometer measures changes in atmo-
spheric pressure, or the "weight" of the air.
spheric pressure, or the "weight" of the air.
Changes in pressure typically foretell changes
in the weather. Weather watchers will note a berometert'r. readinghen and how how much will note a
fast
fast it rises or falls. Rising pressure signals
improving weather; falling pressure indicates deteriorat-
ing conditions. Generally, a barometer works best when ing conditions. Generally, a barometer works best when
mounted indoors (away rom the elements) where air
pressure is the same as that outside. mounted indoors (away from the ele
pressure is the same as that outside.
Your Chelsea Clock barometer is an aneroid barometer,
meaning it measures atmospheric pressure without mercury or other fluids. Instead it uses a vacuum and a
hollow metallic diahpragm. Pressur changes on the dia-
phragm cause the dial's black indicator hand to move.

You can manually position the gold hand over the black
hand, and retul hand,
falling.
Barometers can mease centimeters. At sea level, normal atmoshoseric pressure is centimeters. At sea level, normal atmospheric pressure is
approximately 29.92 inches, 1014 milibarrs or 76 centime-
ters. At hiigher elevations the average pressure will be less ters. At higher elevations the average pressure will be les
as there is less air pressure overhead. Normal weather as there is less air pressure overhead. Normal weather
variations cause pressure to rise or fall an inch or less, so variations cause pressure to rise or fall an inch or less, so
you may see little movement of the black hand for severa
days at a t time. A passing storm often brings rapidly falldays at a time.
ing pressure.
Setting for Local Altitud
When your Chelsea Clock barometer leaves our factory it
is adjusted to register pressure at sea level (the standard
 tion or altititude). However, because atmospheric press
decreases as altitude increases, if you live in a higher-
altitude location decreases as atitude increases, if you ive in a higher-
altitude location you'll need od adiust your barometer
(corrected to sea level) to receive an accurate reading (corrected to sea level) to receive an accurate reading,
To do this, call your local weather bureau and ask for the present barometer reading. Then adjust the barometer's long indicator hand to the
your model, do this by:

Inserting the screwdriver provided into the hole on
the case's back and turning the small screw, or Unscrewing the bezel, removing the baremeter dial
from the case and turning the small brass screw on
the back. from the ca
the back.
If you live at an alitiude of 5,000 feet or greater, your
barometer should be adiusted professionally. Tip: Before taking a reading, lightly tap on the barometer
glass to elease any buit-up frictional resistance on the indi-
cator dial.

Care \& Service
aring for Your Clock and Barometer Chelsea Clock cases are made of high lacquered for long-lasting beauty and protection. However, dust, fingerprints
and environmental pollutants may, ove time, mar the finish. To help maintain
bright finish, we suggest cleaning the bright finish, we suggest cleaning the
case weekly with a clean, soft cloth. case weekly with a clean, soft cloth.
Mever use polishes, cleaners or other
luuids, as these can tarnish and pit the Never
iquids, as these can tarnish and pit the
finish,

Servicing Your Clock or Barometer Under normal operating conditions, your quartz clock or tite instrument is designed to provide years of quality,
carefree performance. However, cond tions such as extreme. heat, cold, dust
and prolonged ideleness may necessitate and prolon
servicing.
Your Chelsea Clock timepiece or baromter is a precision instrument and sho
only be serviced by a certified repair echnician. We suggest returning your em to our factory repair center for guar-
nteed service by an experienced Chelsea chnician. Find repair details online at

Limited Warranty
Your new Chelsea Clock product is warranted against
defects in material and workmanship for two (2) years
from the date of original purchase. in the event of any from the date of original purchase. In the event of any
such defect, please reurn the instrument postage
prepaid. along with an exp orepaid, along with an explanation of the defect to the
address below and it will be repared or replaced, at our
odtion and our expensl A address below and it will be repaired or replaced, at our
otpion and our expense. Any defects or damage caused
by misuse, accident, tampering or negligence of the user by misuse, accident, tampering or negligence of the user
is not covered by this warranty. Be certain to carefully
and seccer and coverea by this warranty. Be certrain to carefully
and decurely pack the instrument for erumn. We will not
be responsle for damage in shipment. The repaired or be responsible efor damage in shiipment. The repaired or
replacement instrument will be returned to you postage
prepaid. All implied warranties coer replacement instrument will be returned to you postage
prepaid. All implied warranties covering merchantability
fitness for particular prepaid. Al implied warranties covering merchantabiti
finess for particular rupose., or oherwise are iimited
in duration to two (2) years from the date of original in duration to two (2) years from the date of origital
purchase. The repair or replacement of any defect is the
exclusive remedy under this warranty In addetion eurchase. The repair or replacement of any defect is the
ecasive remedy under this warranty. In addition, the
warrantor shall not, under any circumstances be tiable warrantor shall not, under any circumstances, be t ieble
or responsible hereunder for consequential incidental,
indirect or special damages Please note that somel or responsible hereunder for consequential, incidenta
indirect or special damages. Please note that some
states do not allow limitations on how states do not socillow damageses. Please note that some
warranty lasts or how the long an implied
This wasion may not apply to you. This warranty, gives you specificic legal rights; you
have other rights that vary from state to state.

Owner's Manual

Quartz Clocks Tide Instruments

Chelsea Clock
Chelsea, Massachusetts 02150
www.Chelseaclock.com
e: Repairs@ChelseaClock.com eairs@chelseaclock.c.c.
p:
f: $617.7884 .0250 \cdot 8639$ 617.884 .8639
Printed in USA

## installing the Battery

## Congratulations

You are the proud
owner of an
exquisite work of art,
crafted by the elite
master clockmakers
f Chelsea Clock. For
over a century, our
raftspeople have
been creating
struments whose
beauty and
workmanship
enhance their
extraordinary
functionality and
durability

Adaitional Models
. Remove the back cover by gently pulling it off,
nscrewing the plate (counter-clockwise) or b, unscrewing the plate (counter--clockwise) o
screwing the center screw and lifting it off The clock's quartz movement is affixed to to back of
the dial. Insert the battery, observing the correct polarity
(indicated with "+" and "'" symbols). The movement will (indicated with "+" and ""-" symbils. The movement will
begin immediately. Carefully replace the dial, bezel and begin immediately. Carefully yeplace the dial, $b$
or back cover, according to your clock model. Setting the Clock
A. Access the back of the movement for your section: minute hands indicate the correct time Radio Room Clock Zulu Hand Only for $8.5^{\prime \prime}$ model)

- Carefully re-move the three screws that hold the - Carefuly re-move the three screws that hold the
dial and movement assembly into the bezel. Set Zulu hand manually and re-install
Shiostrike Clock - Turn the lack knob clockwise to shipstrike Clock - Turn the black knob clockwise to
he correct time - never counter-clockwise, as this the correct time
causes damage
Setting the Second Hand
If your clock has a second hand, you must first stop the
clock by removing the battery before adjusting it:
- When the sweep second hand points to "12,"
promptly remove the battery

Sromptly
Set hands a few minutes anead of the actual time
When the actual time coincides with the hands on
When the actual mime coincides with the hands
Carefully replace the dial, bezel and/or back cover,
according to your clock model.

## 

 Setting the AlarmTurn the black knob marked "Alarm" in the direction of the arrow to set the hour of the time you wish the alarm to sound.
PPll the small black pin out to activate the alarm; push it in to
stop ull the small black pin out to activate the alar
Shipstrike Quartz Clocks
silencing the Chime
To turn the chime on or off, simply slide the green switch
on the back of the movement to hide the bell symbol (bell on the back of the movement
symbol indicates chime is on).
Warning: Do not turn off the chime while it is striking; this urn off the
NOTE: It is normal for striking to occur up to 30 seconds be The Ship's Bell Code

Mariners have used a unique bell code to tell time at sea
for hundreds of years. The code is based upon the crew's or hundreds of years. The code is based upon the crew's typical, 24 -hour workday routine. The day is divided into
six four-hour periods, each called a "watch." Similarly, the
crew is segmented into three divisions. Division members perform their duties on two watches per day, with eigh watch times, the evening watch is typically divided into wo watches (called dogwatches). The first dogwatch is he period between 4 and 6 p.m.; the second is the period
between 6 and 8 p.m.
First Watch
Mid-Watch (also Black Watch)
Morning Watch
Forenoon Watch
orenoon Watch
fternoon Watch

8:00 p.m. to $12: 00$ a.m 12:00 a.m. to $4: 00$ a.m | 4:00 a.m. to 8:00 a.m. |
| :--- |
| 8:00 am. to 12000 pm | Afternoon Watch

Evening Watch 12:00 p.m. to 4:00 p.m. ap watch officer struck the ship's bell every half hour to end of the first half hour, and one onell bell sounded the half-hour thereafter. Eight bells, thereforer, signaled the half-- our thereafter. Eight bell.
end of each four-hour watch.
The chimes of your Chelsea Clock timepiece reflect this
same traditional ship's bell code:

| 8 bells | 12:00 | 4:00 | 8:00 |
| :---: | :---: | :---: | :---: |
| 1 bell | 12:30 | 4:30 | 8:30 |
| 2 bells | 1:00 | 5:00 | 9:00 |
| 3 bells | 1:30 | 5:30 | 9:30 |
| 4 bells | 2:00 | 6:00 | 10:00 |
| 5 bells | 2:30 | 6:30 | 10:30 |
| 6 bells | 3:00 | 7:00 | 11:00 |
| 7 bells | 3:30 | 7:30 | 11:30 |

