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WARNINGS

- Bolt all pieces together to ensure stability.
 - Do not attach power supply until assembly is completed.
- Risk of electric shock.
- When disassembling, disconnect all cables to avoid breakage or shock.
 - Mount only on stable, level ground or platform.
 - Secure base to Mounting platform to prevent injury.
 - Mount binoculars in dry area to increase longevity.
 - Maintain a clear pathway around binoculars to prevent user injury.



FEATURES

- Weather Resistant Coating
- AC or Battery Power Selection (12V Battery and 110V power cord supplied)
- Adjustable Viewing Time Setting (0-50 mins./coin)
- External Interpupillary Distance Adjustment
 - Coin-operated, Always Open, and service operation modes
 - Rechargeable 12V Battery for Remote Mounting Locations.
 - Tamper-resistant Locking Coin Housing
 - Multi-coated Optics

THE WARRANTY

We have designed Zhumell products to be durable and to offer excellent value. Because we think it is important to stand behind that statement what follows are the details of our warranty, one of the best warranties in the industry.

Your Zhumell has a one-year warranty. For the warranty to be valid, the Zhumell must be registered. This can be done quickly and easily at www.zhumell.com or by calling: 800.922.2063.

To obtain warranty service to the damaged Zhumell call to speak with a service representative at 800.922.2063.

When you return your Zhumell to us please send a letter that explains the problem. This is important. Sometimes the problem is obvious as when we open a box and the pieces fall out. However, sometimes Zhumell owners are particular (that is why we love you) and a flaw that you have noticed may be hard to find by our technician. A letter will speed up the warranty process and save a phone call. (Oh, yes, please include your phone number and an address!)

We may have improved or changed our Zhumell products from the time you first obtained yours, therefore it is our option to repair or replace the Zhumells you sent us. (Please note that the maximum limit of liability for losses or damage from any cause shall be the price paid for the Zhumell.)

REPAIR CHECKLIST

- I. Box your Zhumell securely.
- II. Include a note explaining the reason the Zhumell needs repair.
- III. Include your daytime phone number.
- IV. Include an address for returning your Zhumell to you.
- V. Include shipping charge amount (from service representative).

We recommend that you send your unit to us by way of UPS or FedEx. This provides a tracking number should your unit become lost or damaged.

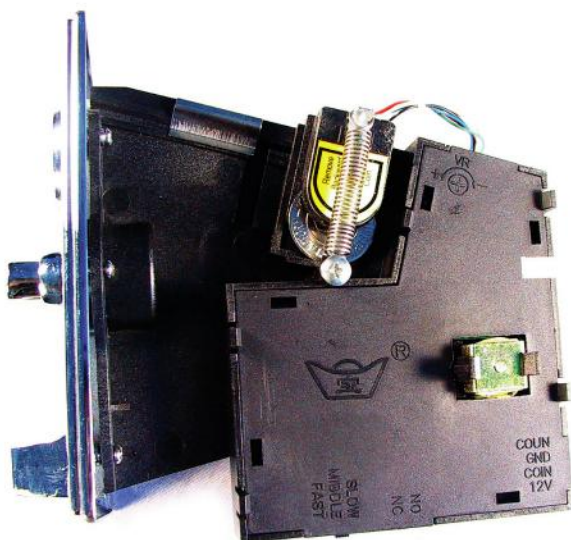
ONE-YEAR WARRANTY

REPAIR PROCESS

COIN SETTING

SETTING COIN SIZE

The shutter release mechanism uses a template coin to determine the size coin needed to open the shutter. In order to set the appropriate coin size, a coin of the type to be used to activate the shutter (eg. a quarter or token) must be inserted in the template coin slot. To insert a coin into the template coin slot, first remove the coin activation control by loosening the four bolts which hold the coinslot faceplate on and disconnecting the communication cable from the back of the coin activation control. Once coin activation control is removed, lift the template coin sensor (the plastic piece above the template coin with wires attached to it) away from the template coin slot. Remove the existing template coin and replace with the type coin which will be used to activate the shutter. Reinstall the coin activation control and tighten all bolts and the unit should be ready for use.



SPECIFICATIONS

OPTICAL

	25x100	40x100
POWER	25x	40x
EXIT PUPIL	4mm	2.5mm
EYE RELIEF	14mm	8.2mm
FIELD OF VIEW	43.6m@1000m	26.2m@1000m
RESOLUTION	2.4"	2.4"
FOCUS RANGE	30m ~ ∞	60m ~ ∞

MECHANICAL

ORIENTAL RANGE:	0-315°
UP RANGE:	0-30°
DOWN RANGE:	0-45°
EYEPIECE DISTANCE RANGE:	58-72mm
SIZE OF BINOCULARS:	550x250x240mm
WHOLE HEIGHT:	1.5m (5ft.)
WHOLE WEIGHT:	84kg (185lbs.)
COIN DIAMETER RANGE:	18-31mm
COIN THICKNESS RANGE:	1.2mm-3.0mm

ELECTRICAL

POWER SUPPLY	85-265VAC (47-440HZ)
	DC12V±1.5V
LOW DC POWER INDICATION:	BELOW 10.5V

ENVIRONMENTAL

OPERATING ENVIRONMENT: 14°F-104°F (-10°C-40°C)

INSTALLATION

ASSEMBLY

- 1 Mount pier to base by inserting raised ring on pier into base opening and securing with M10X20 mounting bolts (included) through pre-drilled holes. Tighten bolts to ensure stability.
- 2 Secure base to mounting platform where unit will be used. (See base installation below)
- 3 Attach mounting plate to top of control box with raised ring facing up. Secure mounting plate to control box using M2.5X5 hex bolts (included). Tighten bolts to ensure stability.
- 4 Mount binoculars by setting them atop the mounting plate so that mounting plate ring is centered in recess on the binocular base and control cord enters the control box through the center hole of the mounting plate. Attach binoculars to mounting plate using M6X20 bolts (included). Tighten bolts to ensure stability.
- 5 Thread shutter control cable from binoculars onto shutter connection being careful not to bend connection prongs.

BASE INSTALLATION

Mount the pier base on stable, level ground using the included mounting bolts. Anchor bolts into concrete or steel base which is either anchored securely to the ground or a minimum of 10' in diameter to ensure stability. If improperly mounted, the unit may tip.

TIMER SETTINGS

RANGE

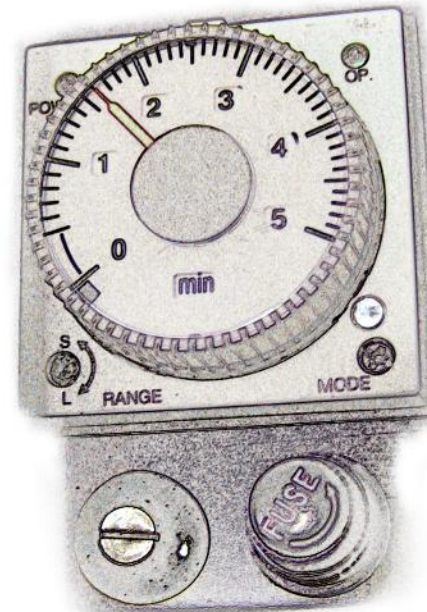
Range adjusts the timer dial to longer or shorter ranges of time from which to choose. To choose between smaller increments of time, use a small screwdriver to turn the range setting counterclockwise. For larger increments of time, turn the range setting clockwise.

MODE

Mode allows you to access the different operating modes for the Vista. The indicator window directly above the mode dial shows what operating mode the Vista using a signifying letter. Turn the mode control to the desired setting using a small screwdriver.

TIMER DIAL

Once the desired range has been set, the timer dial allows you to set the amount of time that the shutter will remain open once actuated by a coin. The lower, central window states what increment of time the numbers stand for.



MODE SETTINGS

SF, OS, OFI - Standard Operating Modes: Shutter is opened when coin is inserted.

FL, FO - Flash Modes: shutter is alternated between open and closed according to time setting.

ON, OF - Open Modes: Shutter is opened and remains open until switched to a different mode.

OC - Open/Close Mode: Shutter is opened and closed quickly at end of time setting.

SHUTTER INFO



SHUTTER ACTIVATION

To open the shutter for viewing, place coin (quarter unless otherwise set) in coin slot. Shutter will remain open for the amount of time set internally (normally 30sec. to 1 min.).

COIN RETURN

To return a coin just inserted, press the silver coin return button just beneath the coin slot immediately after inserting coin. the coin will be returned in the slot below the coin return button.



SETTING SHUTTER TIME

To set the amount of time you would like the shutter to stay open for each coin, use the settings on the control panel timer setting. Using the range setting and timer dial, set the shutter to be open from 0 - 50 mins.

REPLACING FUSE

To replace the control box fuse, unscrew fuse housing by turning counterclockwise. Pull the old fuse out of the fuse housing and replace with a new 0.75Amp fuse. Replace fuse housing in socket and tighten by turning clockwise. Be sure to use a 0.75Amp fuse, as a higher powered fuse may result in electrical damage to the control panel

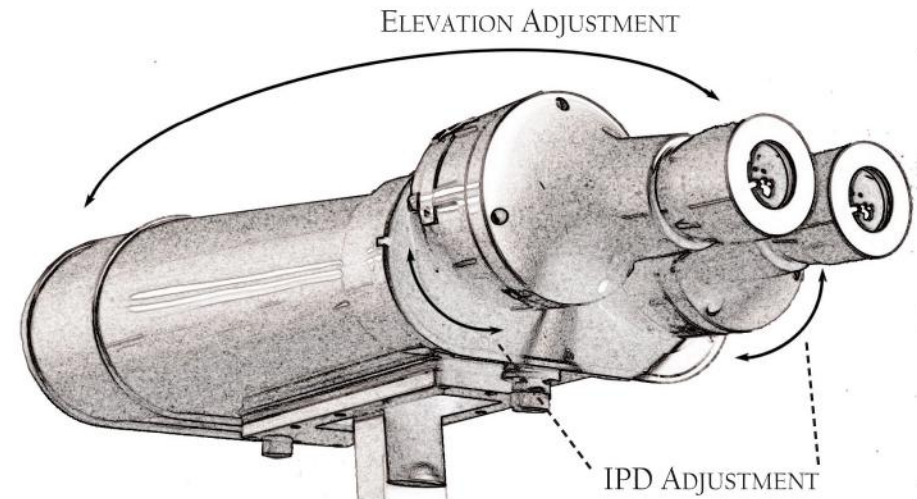
GENERAL USE

INTERPUPILLARY DISTANCE (IPD) ADJUSTMENT

To adjust the Interpupillary Distance (IPD) between the barrels, grasp the ridged area of each barrel just in front of the eyepieces and spin inward or outward. The IPD should be set so that one image circle is seen and viewing is comfortable for the user.

ELEVATION ADJUSTMENT

To adjust the elevation height of the binoculars, place hands underneath the binocular body in front of the eyepieces and lift up or pull down. The binocular housing should swivel up or down. The elevation adjustment may be a little stiff at first, but should loosen up with use.



COIN BOX LEGEND

COIN ACTIVATION CONTROL Contains the switch which actuates the shutter to allow viewing when a coin is inserted in the coin slot.

COIN DROP BOX Removeable box in which coins are collected.

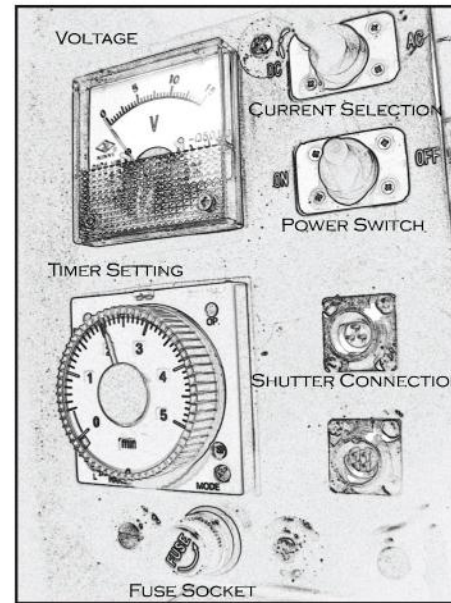
BATTERY Removeable 12V battery provides an optional power source for mounting away from AC power sources.

CONTROL BOX Contains the optional settings which allow for viewing time adjustment and power source selection as well as the primary fuse and on/off switch.

DOOR Key-locking door protects the mechanical controls inside of the coin box.



CONTROLS LEGEND



CURRENT SELECTOR Allows you to choose between 115V AC or 12V DC power source.

POWER SWITCH Allows you to turn power on or off for the unit.

VOLTAGE METER Display the amount of voltage being received by the control panel.

SHUTTER CONNECTION Three pronged socket into which the shutter control cable connects to the control panel.

POWER CONNECTION Four pronged socket into which the power cable connects to bring power from the chosen power source to the control panel.

TIMER SETTING Allows you to set the amount of time the shutter will be open once actuated by a coin and controls all other shutter settings.

FUSE SOCKET Houses one replaceable 0.75Amp fuse to protect control panel electronics from power overload.