

BRG Tiger Digital Clock/Timer/Counter

User Guide

**BRG Precision Products
221 W. Market
Derby, Kansas 67037**

<http://www.brgprecision.com>

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2/27/2005

Warranty Agreement

BRG Precision Products Two Year Warranty

1. Term of Coverage

Coverage will be for 2 years. Claims must be made during the Warranty Period. This Agreement is not renewable. The warranty becomes null and void if complete payment is not made within the terms specified under Terms of Payment.

2. Warranty

BRG Precision Products, Inc. warrants the Product against defects in workmanship and materials during the Coverage Period.

3. Coverage

BRG Precision Products, Inc. will, at its option, repair or replace the defective Product free of charge, provided that you notify BRG Precision Products, Inc. of the Product defect within the Coverage Period, and provided that BRG Precision Products, Inc. through inspection establishes the existence of such a defect and that it is covered by this Agreement. BRG Precision Products, Inc. will, at its option, use new and/or reconditioned parts in performing warranty repair and building replacement products. BRG Precision Products, Inc. reserves the right to use parts or products of original or improved design in the repair or replacement. If BRG Precision Products, Inc. repairs or replaces a Product, its warranty continues for the remaining portion of the Coverage Period or 90 days from the date of the return shipment to the Customer, whichever is greater. All replaced Products and all parts removed from repaired Products become the property of BRG Precision Products, Inc. BRG Precision Products, Inc. covers both parts and labor necessary to repair the Product, and return shipment to the Customer via a BRG Precision Products, Inc.-selected non-expedited surface freight within the contiguous United States and Canada. Alaska and Hawaii return shipments to the Customer are via a non-expedited air freight.

4. What Is Not Covered

This Agreement does not cover normal wear and tear of the Product or costs related to the removal, installation, or field troubleshooting of the Product. This Agreement does not apply to the Product and BRG Precision Products, Inc. will not be responsible for providing service or support under the terms of this Agreement if, and not limited to:

- a) the Product has been misused, neglected, improperly installed, physically damaged or altered, either internally or externally, or damaged from improper use or use in an unsuitable environment;
- b) the Product has been subjected to fire, splashed water (unless specifically ordered to be water resistant), submersion into any liquid, generalized corrosion, biological infestations, or high input voltage including lighting strikes and generators operating outside the limits of their Product specifications;
- c) repairs have been done to it other than by BRG Precision Products, Inc. or its authorized service centers, or as assigned by BRG Precision Products;
- d) the Product is used as a component part of a Product expressly warranted by another manufacturer;
- e) the Product's original identification (trade-mark, serial number) markings have been defaced, altered, or removed;
- f) the Product is located outside of the United States or Canada;
- g) the customer has misrepresented the Product information provided to BRG Precision Products, Inc. in order to receive coverage under the terms of this Agreement. This Agreement does not warrant uninterrupted or error-free operation of the Product;
- h) Product malfunction or damage resulting from electromagnetic or solar radiation;
- i) Shipping charges to the factory more than 30 days after first receiving the product;

5. Disclaimer and Limitation of Liability

TO THE EXTENT PERMITTED BY APPLICABLE LAW, OTHER THAN THE EXPRESS WARRANTY SET FORTH IN THIS AGREEMENT, BRG PRECISION PRODUCTS, INC. MAKES NO ADDITIONAL WARRANTIES, EXPRESS OR IMPLIED, AND DISCLAIMS ALL IMPLIED WARRANTIES, WHETHER IN FACT OR BY OPERATION OF LAW, STATUTORY OR OTHERWISE, INCLUDING WARRANTIES OR CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. ANY WARRANTIES THAT MAY NOT BE DISCLAIMED UNDER APPLICABLE LAW ARE LIMITED IN DURATION TO THE WARRANTY PERIOD. NO WARRANTIES, EXPRESS OR IMPLIED, WILL APPLY AFTER THIS PERIOD. IN NO EVENT WILL BRG PRECISION PRODUCTS, INC. BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES, LOSSES, COSTS OR EXPENSES HOWEVER ARISING WHETHER IN CONTRACT OR TORT INCLUDING WITHOUT RESTRICTION ANY ECONOMIC LOSSES OF ANY KIND, ANY LOSS OR DAMAGE TO PROPERTY, ANY PERSONAL INJURY, ANY DAMAGE OR INJURY ARISING FROM OR AS A RESULT OF MISUSE OR ABUSE, OR THE INCORRECT INSTALLATION, INTEGRATION OR OPERATION OF THE PRODUCT. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR

CONSEQUENTIAL DAMAGES SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. BRG Precision Products, Inc. neither assumes nor authorizes any other person to assume for it any other liability in connection with the repair or replacement of the Product.

6. Claim Limits

Claims are limited to repair or replacement, or if in BRG Precision Products, Inc.'s discretion that is not possible to reimbursement up to the purchase price paid for the Product. In no event will BRG Precision Products, Inc.'s liability under this Agreement exceed the purchase price paid for the Product.

7. Cancellation

You may cancel this Agreement by providing to BRG Precision Products, Inc. written notice of your wish to cancel.

8. Insurance

This Agreement is not a contract of insurance.

9. Amendment and Waiver

No amendment, supplement, consent or waiver, express or implied, to or of any provision of this Agreement will be effective unless in writing signed by the parties hereto and then only in the specific instance and for the specific purpose given.

10. Assignment

The Customer may assign or transfer this Agreement provided BRG Precision Products, Inc. is advised by the Customer in writing of such assignment and the new system owner's information.

11. Governing Law

This Agreement will be governed by and interpreted exclusively in accordance with the laws of the State of Kansas, without reference to provisions concerning conflicts of laws. The provisions of the United Nations Convention on Contracts for the Sale of Goods are hereby excluded.

12. Arbitration

Any controversy or claim arising out of or relating to this Agreement, or the breach of it, shall be settled by arbitration in accordance with the relevant rules of the American Arbitration Association, and judgment on the award rendered by the arbitrator may be entered in any court having jurisdiction thereof. The place of arbitration shall be Wichita, Kansas, United States of America. There shall be one arbitrator.

13. Severability

If any provision of this Agreement is found by any court or arbitrator to be invalid, illegal or unenforceable, the validity, legality and enforceability of the remaining provisions will not be affected thereby.

14. Entire Agreement

This Agreement constitutes the entire contract between the parties concerning the subject matter of this Agreement and supersedes all marketing brochures and other expectations, understandings, communications, representations and agreements, whether verbal or written, between the parties. THIS AGREEMENT GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

Once a return authorization number is obtained, ship the products to:

BRG Precision Products

Attn: RA# xxxxxxx (where xxxxxxx is the authorization number provided)

221 W. Market

Derby, KS 67037

Optional Extended Warranty:

A two-year or a five-year extended warranty is available. The extended warranty must be purchased before the end of the standard warranty. The two-year extended warranty costs 10% of the product purchase price. The five-year extended warranty costs 15% of the product purchase price.

Optional Advanced Replacement Service (“Hot Swap”):

For critical applications, BRG Precision Products recommends purchasing a complete backup product. If a backup product is too expensive or the application is only semi-critical, BRG Precision Products recommends the optional Two-year Replacement Service ("Hot Swap").

This service allows the customer to receive a replacement product right away to replace a defective product that is covered under warranty. BRG Precision Products will pay for ground shipping to send the replacement product. The customer is responsible for expedited shipping charges over the cost of ground shipping. The customer is responsible for shipping charges to return the defective product. The Replacement Service is only available for shipments to the U.S. and Canada.

When the customer receives the replacement product, the defective product must be returned to the factory within 30 days. The invoice for the replacement product will then be voided; otherwise, the full invoice amount for the replacement product is due. This service is only available in conjunction with warranty repairs.

This service is available for 10% of the product purchase price at the time the product is purchased. The replacement service may also be purchased after the initial product purchase and before the standard warranty expires for 15% of the product purchase price. This term of this service ends when the warranty expires. This service may be repurchased for 10% of the product purchase price when a two-year extended warranty is purchased. This service may be repurchased for 15% of the product purchase price when a five-year extended warranty is purchased. The product replacement service is only available on selected models.

30 Day Return Policy:

No returns will be accepted without prior written authorization of BRG. Incorrect merchandise received will receive prompt re-shipment of correct items. Incorrect merchandise, other than custom items, may be returned, shipped prepaid, and will be exchanged on an equivalent basis.

Merchandise, other than custom items, that cannot be used may be returned at a 25% restocking charge if items are shipped prepaid in the original boxes. Carrier is responsible for parts damaged in shipment. The customer should have driver sign for damaged carton on delivery receipt and make a claim with the freight company. Please insist that the carrier's representative conduct an inspection, and retain all packing materials for the inspector. Please report promptly for immediate follow-up on short shipments. No action arising from any sale by BRG may be brought by a customer more than one year after the date of shipment.

Terms of Payment:

New accounts require prepayment. International orders require prepayment by Telegraphic Transfer (bank wire). For established customers, payment is due in full within 30 days from invoice date. Other payment methods include Visa, Mastercard, American Express, Discover, Novus (Domestic Only). Add 3% for ground shipping in the U.S. and Canada. Other shipping methods are available. All past due accounts will be subject to a finance charge of 1.5% per month. BRG may cancel or delay future deliveries if customer fails to make prompt payment or if customer's financial condition warrant such action in BRG's opinion. BRG is not responsible for delays. The customer will be contacted and given the choice of receiving a partial shipment or waiting for the full shipment.

Pricing:

BRG Precision Products reserves the right to change prices without prior notification. Prices do not include taxes and BRG reserves the right to arrange for insurance on all orders.

The courts of Sedgwick County, Kansas will have exclusive jurisdiction and venue over any disputes arising from any sale by BRG and customer and Buyer consent to personal jurisdiction of the federal and state courts located in Sedgwick County, Kansas. If legal action is brought by BRG for the collection of any amount owed or due to any other dispute, the prevailing party will be entitled to recover its reasonable attorneys' fees and costs incurred. These items constitute the entire agreement between BRG and customer, regardless of any additional or conflicting terms on customer's purchase order or other documentation, which are objected to, or any prior discussions or usages of trade. All sales by BRG are made only on the terms and conditions contained herein.

Overview

A technical reference manual is available for download at <http://www.brgprecision.com> See the download section of the menu bar.

BRG commercial digital clocks are specifically designed for applications where precision and reliability are of utmost importance. These clocks may be used as accurate stand-alone time displays, or they can be synchronized, so that all clocks display the same time. Further, by using the GPS or CDMA atomic time receiver options, all clocks can display the same, accurate, legal time. This means all clocks will not only display the same time, but the time displayed is the true legal U.S. time. Any combination of clock shape, style or size may be synchronized. These clocks are in use by many organizations where accurate, synchronized time is required.

Each clock provides a variety of time zone and display formats, including UTC (Zulu) Time, Any World Time Zone, Half-hour time zones, Enable or Disable Daylight Savings Time, and selectable 12 or 24 hour display formats with digital intensity control.

Installation

The digital clocks are constructed using a sturdy aluminum frame with an anti-glare acrylic lens and ABS back plate. Various mounting methods are available. The standard mounting method consists of saw tooth hangers located on the back of the clock. Simply drive the appropriate number of screws into the wall and hang the clock on the screws. Secure eyelet attachments are also available where a more secure mount is required.

The standard power configuration consists of a wall mount AC adapter. This adapter drops the voltage down to a Class 2 voltage. The power wire may be cut, extended and/or rerouted through walls as necessary. Other power configurations from 90 to 260 volts AC, 50-60 cycles are available.

Operation

The BRG Digital Clock/Calendar/Timer/Counter uses an L.E.D. display for reliable operation. The clock is protected against power failures with a 10-year Lithium battery. During the absence of power, the display is blanked to conserve the battery. All operating parameters are stored in non-volatile memory. The internal clock continues to operate from battery backup. When the A.C. power is restored, the clock resumes normal operation and display. **These clocks automatically switch between daylight and standard time.**

If you have any questions or do not understand the operating modes listed below, please call technical support at 800-295-0220 before making any changes to the clock's configuration. For International calls, use 316-788-2000.

If your clock has serial sync wires (ST & SR options), connect the red and black wires to the red and black wires of a master clock. Slave clocks receive sync pulses, while master clocks send pulses ten times per second. If your clock uses radio synchronization instead of wires, pulses are sent either once per day or once per hour (default).

The PM indicator light (located in the upper left corner of the display) is used to indicate PM hours and sync status. When 12-hour display mode is used, the PM indicator will illuminate during PM hours. If enabled, the PM indicator will flicker at the top of every minute when the clock is in sync with a master clock.

Changing the Time – Press the Up button to advance the time, or the Down button to decrement the time. The longer you press the button, the faster the clock will move. If the display flickers and you are unable to change the time, then the buttons may be temporarily disabled.

Configuration Menu – The clock is configured at the factory to your specifications. However, the clock may be reconfigured at any time. **It is recommended to contact the factory before reconfiguring the display.** The Mode button may be locked out to prevent unauthorized operation. The Mode, Up, and Down buttons are used to select various operating modes and parameters. The values of the Mode, Up and Down buttons will change with increasing speed the longer the buttons are held down. Pressing the buttons quickly will quickly change the value.

If the menu system is not locked out, press the mode button to switch from real time display to mode selection. Mode number 1 will display (If the Day/Month displays instead of mode 1, press the mode button again.). Once Mode 1 displays, use the Up and Down buttons to move to the desired mode. **A technical reference manual is available for download at <http://www.brgprecision.com> See the download section of the menu bar.**

Press the Mode button again to enter a configuration mode. The Up and Down buttons are used to change modes and values. Press the Mode button again to exit the current mode. The mode change function will timeout and return to normal time display mode after 60 seconds of inactivity.

To return to normal time display mode, change the mode number to zero (0) or allow the mode function to timeout, or press the Timer Control button.