



2-Bank Timer for Black Box Carts

Installation and Operation Manual



2-Bank Timer Installation and Operation Manual

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Safety Information

This installation and operation manual contains information about the 2-Bank Timer and basic installation instructions. The person installing or integrating the Timer into an electronic system will need to read this manual to become familiar with the installation precautions. Black Box cannot be held liable for any damage to persons or property if the installer does not follow the safety information in this manual

WARNING: If the safety information is not observed, personnel might be at risk. Only authorized personnel who have been properly trained may operate the device. There are no user-serviceable parts inside and any modifications made to the unit by any organization or persons other than Black Box are not permitted. Users must observe the general regulations governing the use of electricity in the country in which the device or integrated system is installed.

We're here to help! If you have any questions about your application or our products, contact Black Box Tech Support at **724-746-5500** or go to **blackbox.com** and click on "Talk to Black Box." You'll be live with one of our technical experts in less than 60 seconds.

Federal Communications Commission and Industry Canada Radio Frequency Interference Statements

This equipment generates, uses, and can radiate radio-frequency energy, and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio communication. It has been tested and found to comply with the limits for a Class A computing device in accordance with the specifications in Subpart B of Part 15 of FCC rules, which are designed to provide reasonable protection against such interference when the equipment is operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference, in which case the user at his own expense will be required to take whatever measures may be necessary to correct the interference.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This digital apparatus does not exceed the Class A limits for radio noise emission from digital apparatus set out in the Radio Interference Regulation of Industry Canada.

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la classe A prescrites dans le Règlement sur le brouillage radioélectrique publié par Industrie Canada.

Disclaimer:

Black Box Network Services shall not be liable for damages of any kind, including, but not limited to, punitive, consequential or cost of cover damages, resulting from any errors in the product information or specifications set forth in this document and Black Box Network Services may revise this document at any time without notice.

Instrucciones de Seguridad (Normas Oficiales Mexicanas Electrical Safety Statement)

1. Todas las instrucciones de seguridad y operación deberán ser leídas antes de que el aparato eléctrico sea operado.
2. Las instrucciones de seguridad y operación deberán ser guardadas para referencia futura.
3. Todas las advertencias en el aparato eléctrico y en sus instrucciones de operación deben ser respetadas.
4. Todas las instrucciones de operación y uso deben ser seguidas.
5. El aparato eléctrico no deberá ser usado cerca del agua—por ejemplo, cerca de la tina de baño, lavabo, sótano mojado o cerca de una alberca, etc.
6. El aparato eléctrico debe ser usado únicamente con carritos o pedestales que sean recomendados por el fabricante.
7. El aparato eléctrico debe ser montado a la pared o al techo sólo como sea recomendado por el fabricante.
8. Servicio—El usuario no debe intentar dar servicio al equipo eléctrico más allá de lo descrito en las instrucciones de operación. Todo otro servicio deberá ser referido a personal de servicio calificado.
9. El aparato eléctrico debe ser situado de tal manera que su posición no interfiera su uso. La colocación del aparato eléctrico sobre una cama, sofá, alfombra o superficie similar puede bloquea la ventilación, no se debe colocar en libreros o gabinetes que impidan el flujo de aire por los orificios de ventilación.
10. El equipo eléctrico debe ser situado fuera del alcance de fuentes de calor como radiadores, registros de calor, estufas u otros aparatos (incluyendo amplificadores) que producen calor.
11. El aparato eléctrico deberá ser conectado a una fuente de poder sólo del tipo descrito en el instructivo de operación, o como se indique en el aparato.
12. Precaución debe ser tomada de tal manera que la tierra física y la polarización del equipo no sea eliminada.
13. Los cables de la fuente de poder deben ser guiados de tal manera que no sean pisados ni pellizcados por objetos colocados sobre o contra ellos, poniendo particular atención a los contactos y receptáculos donde salen del aparato.
14. El equipo eléctrico debe ser limpiado únicamente de acuerdo a las recomendaciones del fabricante.
15. En caso de existir, una antena externa deberá ser localizada lejos de las líneas de energía.
16. El cable de corriente deberá ser desconectado del cuando el equipo no sea usado por un largo periodo de tiempo.
17. Cuidado debe ser tomado de tal manera que objetos líquidos no sean derramados sobre la cubierta u orificios de ventilación.
18. Servicio por personal calificado deberá ser provisto cuando:
 - A: El cable de poder o el contacto ha sido dañado; u
 - B: Objetos han caído o líquido ha sido derramado dentro del aparato; o
 - C: El aparato ha sido expuesto a la lluvia; o
 - D: El aparato parece no operar normalmente o muestra un cambio en su desempeño; o
 - E: El aparato ha sido tirado o su cubierta ha sido dañada.

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1. Specifications

Input	
Power Input Connector	C14 with EMI filter
Input Voltage	100–125 VAC
Input Frequency	50/60 Hz
Input Current	12-A maximum
Output	
Outlet Connectors	(3) 5-15R duplex receptacles • (1) duplex non-timed • (2) duplex timed to alternate power between group A and group B every 15 minutes
Load Current	• 12-A maximum per outlet. 12-A maximum per Timer. • (3) duplex outputs are protected by a single 15-A circuit breaker.
Environmental	
Operating Temperature	32 to 104° F (0 to 40° C)
Operating Humidity	0 to 95%, noncondensing
Operating Altitude	0 to 10,000 ft. (0 to 3048 m)
Physical	
Dimensions	1.79" (1U) H x 6.13"W x 7"D (4.55 x 15.57 x 17.78 cm)
Finish	Black powder-coat

2. Introduction

The 2-Bank Timer (UCCTIMER2) is an electronic switched AC power distribution unit designed to alternate output between two receptacle banks every 15 minutes. The unit also includes one non-timed outlet bank. The Timer and associated loads are protected from overcurrent by a 15-sA thermal circuit breaker.

This product complies with UL60950 requirements.

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3. Connection and Installation

Operating Environment

- Select a location for the 2-Bank Timer in a dry area.
- Install the unit using mounting points on the Timer's cover to the selected mounting surface using #6-32 screws and nuts (not included).
- Elevated Operating Ambient—Consider installing the Timer in an environment that's compatible with the Timer's maximum ratings.
- When installing the Timer, make sure there is enough airflow for safe operation.
- Do not create a hazardous condition caused by uneven mechanical loading.
- When connecting the Timer to the supply circuit, do not overload the circuits (over current protection and supply wiring might be compromised).
- Maintain reliable earthing of equipment.

Electrical Connections

- Press the circuit breaker rocker to the “off” position.
- Connect equipment to AC outputs. Continuous current draw for all connected units must not exceed the input current rating.

CAUTION:

- *Make sure the power source for the Timer is properly grounded.*
- *Connect the Timer to a source rated at least or more than the Timer's maximum input current rating.*
- *Be sure that the total current draw does not exceed the Timer's maximum load current rating.*



Figure 1. Timer, front view.



Figure 2. Timer, side view.

4. Warranty, Service, and Repair

Maintenance and Replacement Parts

There are no user serviceable parts inside the Timer. If there is an electronic problem with the unit, contact Black Box Technical Support at 724-746-5500 or info@blackbox.com.

Warranty

Under normal use and specified operation conditions, the Timer is warranted from the day of delivery for a period of one year or three years, depending on the warranty you selected when purchasing the product. During this period, if the product should fail, the device can be sent back to Black Box for repair or replacement.

If the device is misused or tampered with in any way, the warranty becomes invalid. Black Box is not liable for any damage caused by products that have been modified or serviced by other parties.

The warranty shall cover a period of 12 months or 3 years from the time of receipt of the product.

Black Box Tech Support: FREE! Live. 24/7.

Tech support the
way it should be.



Great tech support is just 60 seconds away at 724-746-5500 or blackbox.com.



About Black Box

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