Orbis Alpha QRS

ORBIS Zeitschalttechnik Alpha QRS 230 Volt Analogue Universal Timer

Model: Alpha QRS | Brand: Orbis

Introduction

The ORBIS Alpha QRS 230 Volt Analogue Universal Timer is a reliable and robust device designed for precise time-based control of electrical circuits. Featuring an analogue display and a weekly programming capability, it is ideal for various applications requiring automated switching. This manual provides comprehensive instructions for installation, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your timer.

Safety Instructions

Please read these safety instructions carefully before installation and operation. Failure to follow these instructions may result in electric shock, fire, or damage to the device.

- Installation must be performed by a qualified electrician in accordance with local and national electrical codes.
- Ensure the main power supply is disconnected before performing any installation, wiring, or maintenance work.
- Do not expose the timer to moisture, extreme temperatures, or corrosive environments.
- Do not open the device casing. There are no user-serviceable parts inside.
- Verify that the operating voltage (230 V/AC) matches your electrical system.
- This device is designed for permanent installation.

Product Overview

Components



Figure 1: Front view of the ORBIS Alpha QRS Analogue Universal Timer, showing the 24-hour dial with yellow programming segments and the time setting hand.

Figure 2: The official ORBIS brand logo.

Key Features

- Analogue timer with 24-hour dial.
- Designed for top-hat rail mounting (DIN rail).

- Operating voltage: 230 V/AC.
- Equipped with 1 changeover contact (16(4)A).
- Power reserve of over 100 hours, maintaining time during power outages.
- Weekly programming capability.
- Durable and strong construction.

Setup

Mounting

1. Ensure the main power supply to the installation area is switched off.
2. Mount the ORBIS Alpha QRS timer securely onto a standard DIN rail within an appropriate electrical enclosure.
3. Ensure adequate ventilation around the timer to prevent overheating.

Electrical Connection

Refer to the wiring diagram provided on the device or in the packaging for precise connection details. The timer features a changeover contact (SPDT - Single Pole Double Throw) for controlling a load.

- Connect the 230 V/AC power supply to the designated terminals (typically L and N).
- Connect the common terminal of the changeover contact to the live wire of the circuit you wish to control.
- Connect the normally open (NO) terminal to the load for switching ON when the timer is active.
- Connect the normally closed (NC) terminal to the load for switching OFF when the timer is active (or for controlling a different circuit).
- Ensure all connections are tight and secure.

Operating Instructions

Setting the Current Time

1. Rotate the outer dial of the timer clockwise until the current time aligns with the small arrow or marker on the static part of the timer casing. The dial is marked with 24 hours.
2. Ensure you differentiate between AM and PM hours (e.g., 1 PM is 13:00, 6 PM is 18:00).

Programming On/Off Cycles

The timer uses small yellow segments around the dial for programming. Each segment typically represents a specific time interval (e.g., 15 minutes).

1. To set an "ON" period, push the yellow segments outwards at the desired times.
2. To set an "OFF" period, leave the yellow segments pushed inwards at the desired times.
3. The timer will switch the connected circuit ON when the dial reaches an outward-pushed segment and OFF when it reaches an inward-pushed segment.
4. For weekly programming, ensure the segments correspond to the desired daily schedule, as the dial completes a full rotation every 24 hours.

Manual Override (if applicable)

Some models may feature a manual override switch. Consult the device for specific markings or a lever. This allows you to temporarily switch the connected circuit ON or OFF regardless of the programmed schedule. Remember to return it to

the automatic position for normal operation.

Maintenance

The ORBIS Alpha QRS timer is designed for minimal maintenance.

- Periodically inspect the timer for any visible damage or loose connections.
- Clean the exterior of the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- Ensure the area around the timer remains free of dust and debris to maintain proper ventilation.
- No internal maintenance is required or recommended.

Troubleshooting

Problem	Possible Cause	Solution
Timer not operating / No power	No power supply to the timer; Loose wiring; Blown fuse/tripped breaker.	Check power supply at the source. Verify all wiring connections are secure. Check and reset circuit breaker or replace fuse.
Load not switching ON/OFF as programmed	Incorrect time setting; Incorrect programming of segments; Manual override engaged.	Verify the current time is set correctly. Re-check that the yellow segments are pushed in/out correctly for desired ON/OFF times. Ensure manual override is in automatic position.
Timer losing time or not keeping accurate time	Prolonged power outage exceeding power reserve; Faulty unit.	Reset the current time after a power outage. If the issue persists, the unit may be faulty and require replacement.

Specifications

Attribute	Value
Model	Alpha QRS
Brand	Orbis
Operating Voltage	230 V/AC
Switching Capacity	16(4)A
Contact Type	1 Changeover (SPDT)
Power Reserve	> 100 Hours
Programming	Weekly / 24-hour dial
Mounting	DIN Rail (Top-hat rail)
Item Weight	0.5 Kilograms

Attribute	Value
Batteries Required	No
ASIN	B00WEEJHBI
GTIN	08426709001964

Warranty and Support

For warranty information and technical support, please refer to the documentation included with your purchase or contact your local ORBIS distributor. Keep your proof of purchase for warranty claims.

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question