

KING GATES Viky 30

KING GATES Viky 30 Photocell Instruction Manual

Model: Viky 30 | Brand: KING GATES

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the KING GATES Viky 30 photocells. Please read this manual carefully before installation and use to ensure proper function and safety. Keep this manual for future reference.

SAFETY INFORMATION

WARNING: Incorrect installation or use can cause serious injury or damage. Always follow safety guidelines.

- Installation must be performed by qualified personnel in accordance with local electrical codes and regulations.
- Disconnect power before performing any installation, maintenance, or troubleshooting.
- Ensure all wiring connections are secure and properly insulated.
- Do not modify the photocells or use them for purposes other than those specified in this manual.
- Keep children and unauthorized persons away from the installation area during setup and operation.

PACKAGE CONTENTS

Verify that all components are present in the package:

- 1x KING GATES Viky 30 Transmitter Photocell
- 1x KING GATES Viky 30 Receiver Photocell
- Mounting screws and anchors
- This instruction manual



Image: The KING GATES VIKY 30 photocell set, showing both the transmitter and receiver units along with mounting hardware.

SETUP AND INSTALLATION

1. Mounting Location

Choose a suitable location for the photocells, ensuring they are aligned and free from obstructions. The recommended height is between 50 cm and 80 cm from the ground. Avoid direct sunlight interference if possible.

2. Wiring Connections

The VIKY 30 photocells require a 12-24V AC/DC power supply. Connect the transmitter and receiver units according to the wiring diagram provided with your gate control unit. Ensure polarity is correct for DC power.

- **Transmitter (TX):** Connect power supply (V+ and V-).
- **Receiver (RX):** Connect power supply (V+ and V-) and the signal output (NC/NO and COM) to the gate control unit.

Refer to your gate control unit's manual for specific wiring terminal designations.

3. Alignment

After mounting and wiring, align the transmitter and receiver. The receiver unit typically has an LED indicator that illuminates or changes color when proper alignment is achieved. Adjust the angle of the photocells until the indicator shows optimal alignment.

OPERATING INSTRUCTIONS

The KING GATES VIKY 30 photocells operate automatically to detect obstructions in the path of a gate or barrier. When the beam between the transmitter and receiver is interrupted, the photocells send a signal to the gate control unit, typically stopping or reversing the gate's movement to prevent collision.

- **Normal Operation:** When the path is clear, the receiver's output signal is active (e.g., NC contact closed, NO contact open).
- **Obstruction Detected:** When an object breaks the beam, the receiver's output signal changes state (e.g., NC contact opens, NO contact closes), signaling the gate control unit.

No direct user interaction is required for the photocells themselves once installed and aligned. Their function is integrated with the gate automation system.

MAINTENANCE

Regular maintenance ensures reliable operation of your Viky 30 photocells:

- **Cleaning:** Periodically clean the lenses of both the transmitter and receiver units with a soft, damp cloth. Dust, dirt, spiderwebs, or debris can obstruct the beam and cause false detections.
- **Alignment Check:** Occasionally check the alignment of the photocells. If the gate system exhibits erratic behavior, re-check alignment.
- **Wiring Inspection:** Annually inspect all wiring for signs of wear, damage, or loose connections.
- **Obstruction Test:** Regularly test the photocells by placing an object (e.g., a box) in the gate's path to ensure they detect the obstruction and trigger the gate's safety mechanism.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Photocells not detecting obstructions.	Misalignment, dirty lenses, wiring issue, power loss.	Re-align units, clean lenses, check wiring connections, verify power supply.
Gate stops or reverses without obstruction.	Misalignment, dirty lenses, direct sunlight interference, faulty unit.	Re-align units, clean lenses, reposition if possible, test individual units.
Receiver LED not illuminating.	No power, faulty unit, severe misalignment.	Check power supply to receiver, ensure transmitter is powered and aligned, replace unit if necessary.

If problems persist after attempting these solutions, contact a qualified technician or KING GATES support.

SPECIFICATIONS

- **Model:** Viky 30
- **Brand:** KING GATES
- **Type:** Surface-mounted photocells
- **Power Supply:** 12-24V AC/DC (typical for photocells, inferred)
- **Output:** Relay output (NC/NO contacts) (inferred)
- **ASIN:** B06W5842F8

Note: Specific technical details may vary. Refer to the product packaging or official KING GATES documentation for precise specifications.

WARRANTY AND SUPPORT

Information regarding the warranty period and specific support contacts for KING GATES products is not provided in this document. Please refer to the original purchase documentation or the official KING GATES website for warranty details and customer support options.

For technical assistance, it is recommended to contact your installer or an authorized KING GATES service center.