

H5 Series LED Three-Color Warning Light

User Manual

Models: H5-200 / H5-300 / H5-400 / H5-500

1. PRODUCT OVERVIEW

The H5 Series LED Three-Color Warning Light is an industrial-grade signal light designed for machine tool status indication, automation workstation monitoring, and equipment warning applications. It features an integrated three-color LED design (Red/Yellow/Green) with IP67 waterproof, oil-proof, and explosion-proof protection. The light is constructed with an anodized aluminum unibody body and 5th generation explosion-proof tempered glass lens, making it suitable for harsh industrial environments.

2. TECHNICAL SPECIFICATIONS

Model	H5 Series (H5-200 / H5-300 / H5-400 / H5-500)
Product Type	LED Three-Color Warning Light
Power Consumption	3W
Voltage	DC24V (standard) / AC110~220V (optional)
Protection Rating	IP67
Colors	Red / Yellow / Green (wiring-configurable)
Light Source	Imported LED Color Lamp Beads
Service Life	50,000 hours
Housing Material	Anodized Aluminum Alloy (unibody)
Lens Material	5th Gen Tempered Glass (3mm)
Appearance Color	Black
Cable Length	>50cm
Installation	Screw Fixation

Dimensions:

Model	Total Length	Light Surface	Width	Height
H5-200	245mm	185mm	42.5mm	26mm
H5-300	345mm	-	42.5mm	26mm
H5-400	445mm	-	42.5mm	26mm
H5-500	545mm	420mm	42.5mm	26mm

3. PACKAGE CONTENTS

- 1 x H5 Series LED Three-Color Warning Light (selected length)
- 1 x User Manual

4. INSTALLATION INSTRUCTIONS

Step 1: Verify that the power supply voltage matches the product rating (DC24V or AC110~220V).

Step 2: Select an appropriate mounting location. Ensure the mounting surface is clean and flat.

Step 3: Drill holes at the specified hole spacing (see dimension diagram), insert screws (not included), and secure the light body directly.

Step 4: Connect the wiring according to the wiring diagram (Section 5). Ensure correct color matching.

Step 5: After installation, test all three colors (Red, Yellow, Green) to verify proper operation.

5. WIRING DIAGRAM

The H5 series supports DC24V with positive/negative universal wiring configuration.

Wire Color	Function	Connection
Red	Positive (+)	Power Supply +
Black	Common (-)	Power Supply - (Ground)

6. COLOR STATUS RECOMMENDATIONS

Color	Status Indication	Typical Use
Green	Normal Operation	Machine running / Safe
Yellow	Warning / Standby	Maintenance / Alert
Red	Alarm / Error	Machine stopped / Fault

7. MAINTENANCE AND CARE

- Clean the lens surface regularly with a soft, dry cloth.
- Check cable connections periodically for tightness.
- Store in a dry, cool place when not in use.
- Do not use abrasive cleaners or solvents.

8. SAFETY WARNINGS

- Ensure the power supply voltage matches the product rating.
- Always disconnect power before installation or maintenance.
- Do not disassemble or modify the product.
- Operating temperature: -20°C to +60°C.
- Professional installation recommended for AC models.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on	No power / Wiring error	Check voltage & connections

Dim or flickering	Loose connection	Tighten connections
Wrong color	Incorrect wiring	Re-check per wiring diagram
Water inside lens	Damaged seal	Tighten connector, inspect seals

10. WARRANTY POLICY

The H5 Series LED Three-Color Warning Light is covered by a 1-year limited warranty from the date of purchase, covering manufacturing defects. Warranty does not cover misuse, improper installation, or unauthorized modification.

11. AFTER-SALES SERVICE

For support, warranty claims, or inquiries:

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