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Tecnolite H-520/36W/CONTROL

Tecnolite H-520/36W/CONTROL Lamp Controller User Manual

Model: H-520/36W/CONTROL

1. Introduction

This manual provides essential information for the proper installation, operation, and maintenance of your Tecnolite H-520/36W/CONTROL Lamp Controller. This device is designed to offer precise control over the illumination of your outdoor spaces, compatible with Tecnolite H-520 luminaires. Please read this manual thoroughly before use to ensure safe and efficient operation.



Figure 1: Tecnolite H-520/36W/CONTROL Lamp Controller and its packaging.

2. Safety Information

Always follow basic safety precautions when installing or operating electrical equipment.

- Ensure power is disconnected before installation or maintenance.
- Installation should be performed by a qualified electrician.
- Do not expose the controller to direct water spray unless specifically rated for such exposure. While designed for outdoor lighting systems, the controller itself may require protected installation.
- Do not attempt to open or repair the unit. Refer all servicing to qualified personnel.
- Keep out of reach of children.

3. Product Features

- **Versatility:** Designed for seamless integration with Tecnolite H-520 luminaires.
- **Durability:** Constructed from high-quality metal with a gray finish, ensuring exceptional resistance and longevity.
- **Power Output:** Provides 36W capacity, sufficient for controlling compatible H-520 luminaires.
- **Easy Installation:** Ergonomic design facilitates straightforward setup.
- **Wide Compatibility:** Operates within a voltage range of 100 to 127 V~, adaptable to various electrical systems.
- **Remote Control:** Includes a remote for convenient operation.



Figure 2: The controller unit shown with its included remote control.

4. Setup and Installation

Before beginning installation, ensure all power to the circuit is turned off at the main breaker.

1. **Mounting:** Select a suitable, protected location for mounting the controller. While the system is for outdoor lighting, the controller itself should be installed in a location protected from direct weather exposure, such as inside a weatherproof enclosure or a covered area. Use appropriate screws and anchors to secure the unit firmly.
2. **Wiring Connections:**
    - Connect the incoming power supply (100-127 V~) to the designated input terminals on the controller.
    - Connect the Tecnolite H-520 luminaires to the output terminals. Ensure correct polarity for all connections.
    - Tighten all terminal screws securely to prevent loose connections.
3. **Remote Control Battery:** The remote control comes with an included battery. If the remote does not respond, check or replace the battery.
4. **Power On:** Once all connections are secure and verified, restore power to the circuit.

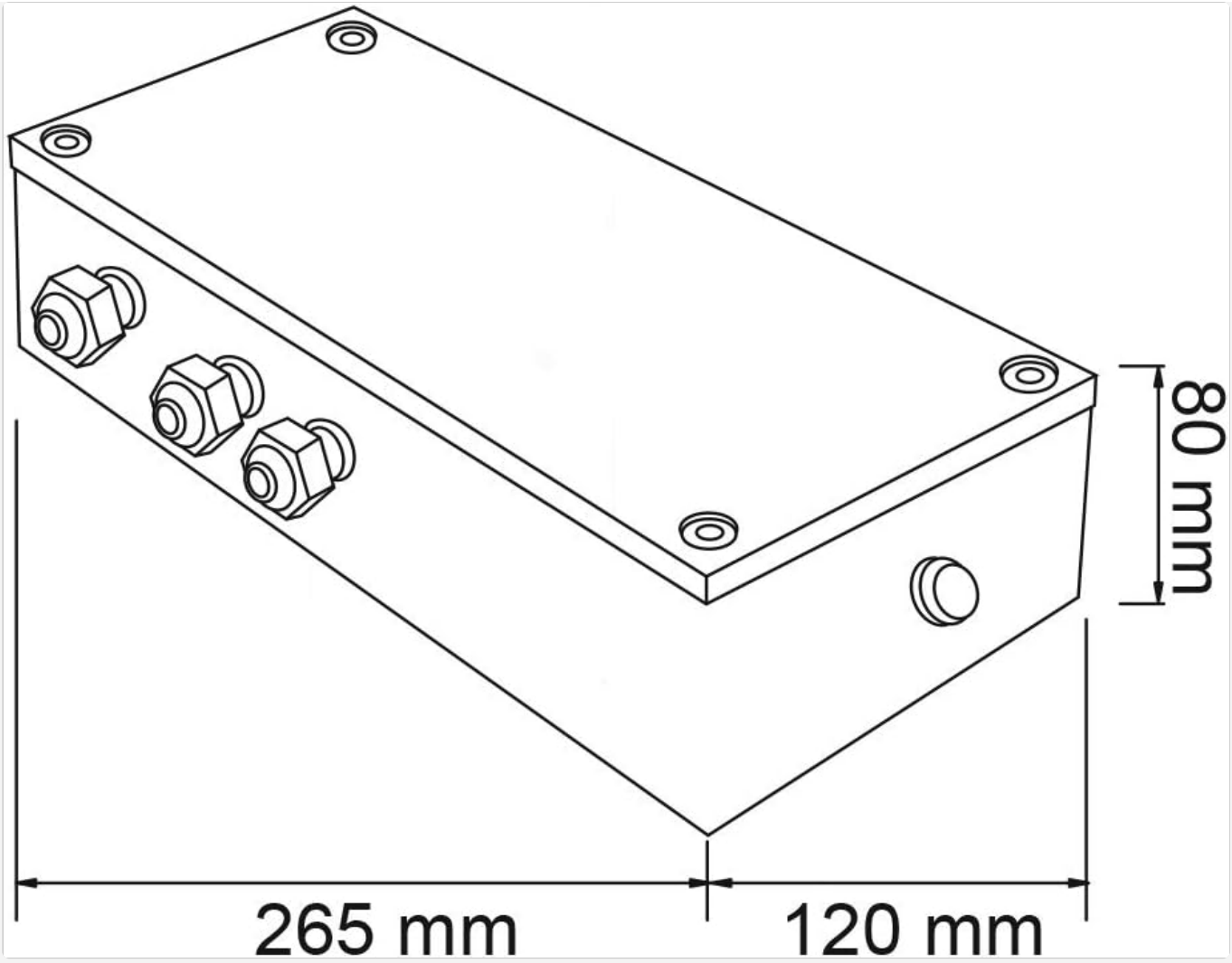


Figure 3: Dimensional drawing of the controller unit (265mm length, 120mm width, 80mm height).



Figure 4: The controller unit's size in relation to a human hand, illustrating its compact dimensions.

5. Operating Instructions

The Tecnolite H-520/36W/CONTROL is operated primarily via its included remote control.

- **Power Button:** Press the power button on the remote to turn the connected luminaires ON or OFF.
- **Mode Selection:** Use the mode buttons (if present on the remote) to cycle through different lighting effects or colors, depending on the capabilities of your H-520 luminaires.
- **Brightness Adjustment:** Use the brightness up/down buttons to adjust the intensity of the light.
- **SET Button:** The "SET" button is typically used for pairing the remote with the controller or for saving custom settings. Refer to specific instructions for your H-520 luminaires for advanced remote functions.



Figure 5: An example of Tecnolite H-520 luminaires (Dijon H-520/3W/RGB) in an outdoor pond, demonstrating the potential for controlled lighting effects.

6. Maintenance

The Tecnolite H-520/36W/CONTROL requires minimal maintenance.

- **Cleaning:** Wipe the unit with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Inspection:** Periodically check all wiring connections for tightness and signs of wear or damage.
- **Battery Replacement:** Replace the remote control battery when its performance degrades. Ensure correct battery type and polarity.

7. Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Luminaires do not turn ON.	No power to the controller. Loose wiring connections. Remote control battery is dead. Controller malfunction.	Check the main power supply and circuit breaker. Verify all wiring connections are secure. Replace the remote control battery. Contact Tecnolite customer support.
Remote control not responding.	Battery is dead or incorrectly inserted. Remote is out of range. Remote not paired with controller.	Replace battery, ensuring correct polarity. Move closer to the controller. Refer to the H-520 luminaire manual for remote pairing instructions.
Inconsistent lighting or flickering.	Loose connections. Overload (too many luminaires). Faulty luminaire.	Check and secure all wiring connections. Ensure total wattage of connected luminaires does not exceed 36W. Test luminaires individually to identify faulty units.

8. Specifications

Model Number	H-520/36W/CONTROL
Manufacturer	TECNOLITE
Color	Gray
Material	Metal
Power Source	Electric Cable
Voltage	100-127 V~
Wattage	36 W
Compatible Bulb Type	LED
Dimensions (L x W x H)	26.5 cm x 12 cm x 8 cm (10.43 in x 4.72 in x 3.15 in)
Weight	2.72 kg (5.99 lbs)
Included Components	Controller unit, Remote control, Instruction manual, Battery for remote
Compatible Luminaires	Tecnolite H-520 series

9. Warranty and Support

For warranty information and terms, please refer to the documentation included with your purchase or visit the official Tecnolite website.
If you encounter any issues not covered in this manual or require technical assistance, please contact Tecnolite customer support.

- **Tecnolite Official Website:** www.tecnolite.com.mx (Please note: This is a placeholder URL as no official support link was provided in the input. Users should verify the correct website.)

- **Customer Service:** Refer to your product packaging or the Tecnolite website for contact details.

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