

## Dinuy TF.220.008

# Dinuy TF.220.008 Modular Transformer Instruction Manual

Model: TF.220.008

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of the Dinuy TF.220.008 Modular Transformer. Please read this manual thoroughly before installation and retain it for future reference.

## 2. SAFETY INFORMATION

### **WARNING: Risk of Electric Shock!**

- Installation and maintenance must be performed by a qualified electrician in accordance with local and national electrical codes.
- Ensure the main power supply is disconnected before commencing any installation, wiring, or maintenance work.
- Do not operate the transformer if it appears damaged.
- This device is designed for indoor use only in dry environments.
- Do not exceed the specified voltage and current ratings.

## 3. PRODUCT DESCRIPTION

The Dinuy TF.220.008 is a modular transformer designed to convert a 230V AC input to an 8V AC output with a 1A current rating. It is primarily used for applications requiring a low voltage supply, such as doorbell systems. Its modular design allows for convenient mounting on a DIN rail or surface.



An image showing the Dinuy TF.220.008 modular transformer. The device is grey, rectangular, designed for DIN rail mounting, and features labels indicating 8V~1.0A output, TF.220.008 model, and 220-240V 50Hz input.

## 4. SETUP AND INSTALLATION

The Dinuy TF.220.008 transformer can be mounted on a standard DIN rail or directly on a surface.

### 4.1. Mounting

- **DIN Rail Mounting:** Snap the transformer onto a 35mm DIN rail. Ensure it is securely fastened.
- **Surface Mounting:** Use appropriate screws (not supplied) to fix the transformer to a flat, stable surface.

### 4.2. Wiring

1. **Disconnect Power:** Before any wiring, ensure the main power supply to the circuit is completely disconnected.
2. **Input Connection:** Connect the 230V AC mains supply to the input terminals of the transformer. Refer to the wiring diagram on the device or packaging for correct polarity (typically marked L

and N).

- 3. **Output Connection:** Connect your low-voltage device (e.g., doorbell) to the 8V AC output terminals.
- 4. **Verify Connections:** Double-check all connections for tightness and correctness before restoring power.

*Always consult a qualified electrician for installation to ensure compliance with safety standards.*

### 5. OPERATING INSTRUCTIONS

Once properly installed and wired, the Dinuy TF.220.008 Modular Transformer operates automatically when power is supplied to its input. It continuously provides an 8V AC output for connected devices.

- Ensure the total current draw of connected devices does not exceed 1A.
- The transformer is designed for continuous operation within its specified temperature range.

### 6. MAINTENANCE

The Dinuy TF.220.008 Modular Transformer requires minimal maintenance.

- **Cleaning:** Disconnect power before cleaning. Use a dry, soft cloth to wipe the exterior. Do not use liquid cleaners or solvents.
- **Inspection:** Periodically inspect the transformer and its connections for any signs of damage, loose wiring, or overheating.
- **No User-Serviceable Parts:** Do not attempt to open or repair the transformer. Refer any issues to a qualified technician.

### 7. TROUBLESHOOTING

If the transformer is not functioning as expected, consider the following:

- **No Output Voltage:**
  - Check if the main power supply to the transformer is active.
  - Verify all input and output wiring connections are secure and correct.
  - Ensure no short circuits exist in the connected low-voltage circuit.
- **Overheating:**
  - Confirm that the total current draw of connected devices does not exceed 1A.
  - Ensure adequate ventilation around the transformer.

If problems persist, disconnect power and contact a qualified electrician or the manufacturer's support.

### 8. SPECIFICATIONS

Feature	Specification
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Feature	Specification
Product Reference	TF.220.008
Brand	Dinuy
Input Voltage	230 VAC
Output Voltage	8 VAC
Output Current	1 A
Frequency	50 Hz
Mounting Type	DIN Rail or Surface
Dimensions (L x W x H)	90mm x 35mm x 53mm (approx.)
Power Source Type	Corded Electric

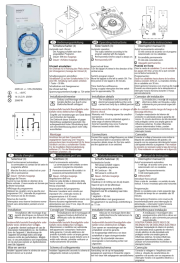
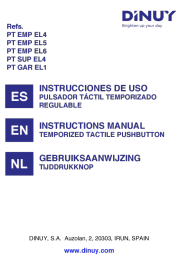
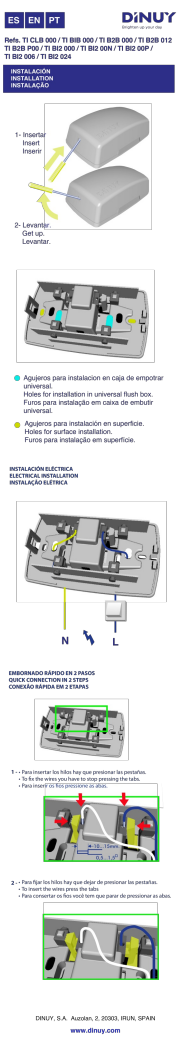
## 9. WARRANTY AND SUPPORT

For warranty information, please refer to the terms and conditions provided by your retailer or the official Dinuy website. In case of technical issues or support inquiries, please contact your point of purchase or a qualified electrician.

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## Related Documents - TF.220.008

	<p><a href="#">DINUY TI LUM TF0 Declaration of Conformity CE</a></p> <p>Declaration of Conformity for the DINUY TI LUM TF0, a 230/8V Lumen Transformer Bell, manufactured according to EU directives and harmonised rules. Includes compliance details and signatory information.</p>
	<p><a href="#">Declaración de Conformidad CE - Regulador Univ. Planta 400 W. DINUY</a></p> <p>Documento de Declaración de Conformidad CE para el Regulador Univ. Planta 400 W. (RE PLA 000) fabricado por DINUY, S.A., cumpliendo directivas europeas y normas aplicables.</p>

	<p><a href="#">DINUY IHEMT 1328 Timer Switch User Manual</a></p> <p>User manual for the DINUY IHEMT 1328 timer switch, providing operating instructions, installation guidelines, and connection diagrams in multiple languages.</p>
	<p><a href="#">DINUY Temporized Tactile Pushbutton - Installation and User Manual</a></p> <p>Comprehensive manual for DINUY's Temporized Tactile Pushbutton, covering installation, technical specifications, and operation for models like PT EMP EL4, PT SUP EL4, and PT GAR EL1.</p>
	<p><a href="#">DINUY Electrical Device Installation Guide</a></p> <p>Step-by-step installation instructions for DINUY electrical devices, covering mounting and wiring. Includes model numbers and connection details.</p>

Ref.  
PU KNT 102    PU KNT 116  
PU KNT 104    PU KNT 118  
PU KNT 106  
PU KNT 108  
PU KNT 112  
PU KNT 114

**ES** INSTRUCCIONES DE USO  
PULSADOR CAPACITIVO KNX  
DE 2/4/6/8 BOTONES CON SENSORES  
DE TEMPERATURA Y LUMINOSIDAD  
+ FUNCIÓN TERMOSTATO

**EN** INSTRUCTIONS MANUAL  
2/4/6/8 - BUTTON KNX CAPACITIVE  
SWITCH WITH TEMPERATURE AND  
LUMINOSITY SENSORS  
+ THERMOSTAT FUNCTION

DINUY, S.A. Avda. 12, 20303, ELN, SPAIN  
[www.dinuy.com](http://www.dinuy.com)

[DINUY Laüka Dot KNX Capacitive Switch with Temperature and Luminosity Sensors + Thermostat Function Manual](#)

Instructions and technical specifications for the DINUY Laüka Dot KNX capacitive switch, featuring 2, 4, 6, or 8 buttons, integrated temperature and luminosity sensors, and a thermostat function. Includes installation and commissioning guidance.