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## Comelit 1595

# COMELIT 1595 Transformer for iCom Entrance Panel - Instruction Manual

Model: 1595

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Comelit 1595 Transformer. Please read this manual thoroughly before attempting any installation or use. Keep this manual for future reference.

The Comelit 1595 is a power transformer designed specifically for use with Comelit iCom entrance panels, providing the necessary voltage conversion for optimal system performance.

## 2. SAFETY INFORMATION

**WARNING: Risk of electric shock. Installation and servicing must be performed by qualified personnel only.**

- Always disconnect power before installing or servicing the transformer.
- Ensure all wiring complies with local and national electrical codes.
- Do not expose the transformer to moisture or extreme temperatures.
- Verify correct voltage and current ratings before connecting to the iCom entrance panel.
- Do not attempt to open or repair the transformer. Refer servicing to qualified personnel.

## 3. SETUP AND INSTALLATION

Follow these steps for proper installation of the Comelit 1595 Transformer:

1. **Power Disconnection:** Before beginning, ensure that the main power supply to the iCom entrance panel system is completely disconnected at the circuit breaker.
2. **Mounting:** Mount the transformer in a dry, well-ventilated area, away from direct sunlight or heat sources. Use appropriate fasteners to secure it firmly to a stable surface.
3. **Wiring Connections:**

- Connect the primary (input) side of the transformer to the appropriate AC power source, ensuring correct voltage matching.
- Connect the secondary (output) side of the transformer to the designated power input terminals of the Comelit iCom entrance panel. Refer to the iCom panel's specific wiring diagram for exact terminal identification.
- Ensure all connections are secure and insulated to prevent short circuits.

4. **Verification:** Double-check all wiring connections for correctness and security.

5. **Power Restoration:** Once all connections are verified, restore power to the system.



Figure 1: Comelit 1595 Transformer with visible connection points. This image illustrates the compact design and terminal layout for wiring.

## 4. OPERATING INSTRUCTIONS

The Comelit 1595 Transformer operates automatically once correctly installed and powered. It converts the incoming AC voltage to the required voltage for the iCom entrance panel. There are no user-adjustable settings on the transformer itself.

Upon successful installation and power-up, the iCom entrance panel should receive the necessary power to function. Refer to the iCom entrance panel's specific instruction manual for its operational details.

## 5. MAINTENANCE

The Comelit 1595 Transformer requires minimal maintenance. Regular inspection is recommended to ensure optimal performance and safety.

- **Periodic Inspection:** Annually, inspect the transformer and its wiring for any signs of damage, wear, or loose connections.
- **Cleaning:** If necessary, gently clean the exterior of the transformer with a dry, soft cloth. Do not use liquid cleaners or solvents.
- **Ventilation:** Ensure that the area around the transformer remains clear to allow for proper ventilation

and heat dissipation.

**CAUTION: Do not attempt to open the transformer casing. There are no user-serviceable parts inside.**

## 6. TROUBLESHOOTING

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If you experience issues with your iCom entrance panel system, and suspect the transformer may be involved, consider the following:

| Problem                           | Possible Cause  | Solution  |
|-----------------------------------|---|---|
| iCom panel not powering on.       | No power to transformer, loose connections, faulty transformer. | Check circuit breaker for the power supply.<br>Verify all wiring connections are secure.<br>Test input voltage to the transformer.<br>If input voltage is present but no output, the transformer may be faulty and require replacement by a qualified technician. |
| Intermittent power to iCom panel. | Loose wiring, unstable power supply.                            | Inspect all wiring for loose connections.<br>Ensure the power source is stable.   |
| Transformer is unusually hot.     | Overload, poor ventilation, internal fault.                     | Ensure proper ventilation around the transformer.<br>Verify the iCom panel is not drawing excessive current.<br>Disconnect power immediately and contact a qualified technician if overheating persists.  |

If troubleshooting steps do not resolve the issue, contact Comelit technical support or a qualified electrician.

## 7. SPECIFICATIONS

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- **Model:** Comelit 1595
- **Product Type:** Power Transformer
- **Compatibility:** Designed for Comelit iCom entrance panels
- **Manufacturer:** Comelit
- **Date First Available:** October 24, 2011
- *(Specific electrical ratings such as input/output voltage and current are typically found on the product label or in the iCom panel's manual.)*