Intermatic ET9100

Intermatic ET9100 Door Assembly with Electronics User Manual
Model: ET9100

1. INTRODUCTION AND OVERVIEW

This manual provides essential instructions for the installation, operation, and maintenance of the Intermatic ET9100 Door Assembly with Electronics. The ET9100 is a replacement door assembly designed for use with specific Intermatic ET90000 series electronic time switches, including models ET90415Cr, ET90815Cr, ET91215Cr, and ET91615Cr.

This assembly integrates a display, keypad, Ethernet, and remote override connections, allowing for convenient replacement without requiring a new panel installation or extensive circuit rewiring.

Figure 1: Intermatic ET9100 Door Assembly with Electronics. This image displays the front view of the door assembly, highlighting the integrated display, keypad, and various connection ports.

2. SETUP AND INSTALLATION

The Intermatic ET9100 Door Assembly is designed as a direct replacement component. It is crucial to ensure that the power to the existing time switch panel is completely disconnected before beginning any installation procedures. Installation should only be performed by qualified personnel to prevent electrical shock or damage to the unit.

2.1 Compatibility

This door assembly is compatible with the following Intermatic ET90000 series electronic time switches:

- ET90415Cr
- ET90815Cr
- ET91215Cr
- ET91615Cr

2.2 Installation Steps (General Guidelines)

1. **Power Disconnection:** Turn off all power to the time switch panel at the circuit breaker or main disconnect. Verify power is off using a voltage tester.
2. **Remove Old Assembly:** Carefully unlatch or unscrew the existing door assembly from the time switch enclosure. Disconnect any internal wiring or ribbon cables connecting the old door to the main unit. Note the orientation and connection points.
3. **Connect New Assembly:** Connect the new ET9100 door assembly to the main time switch unit. Ensure all connections (e.g., ribbon cables, Ethernet, remote override) are securely seated according to the original configuration.
4. **Secure New Assembly:** Mount the ET9100 door assembly onto the time switch enclosure, ensuring it is properly aligned and secured.
5. **Power Restoration:** Once the assembly is securely installed and all connections are verified, restore power to the time switch panel.
6. **Initial Test:** Perform an initial test to ensure the display illuminates, the keypad responds, and any connected Ethernet or remote override functions are operational.

Refer to the specific installation manual for your Intermatic ET90000 series time switch for detailed wiring diagrams and safety precautions.

3. OPERATING INSTRUCTIONS

The ET9100 Door Assembly provides the primary interface for programming and controlling your Intermatic ET90000 series electronic time switch. The integrated display, keypad, Ethernet, and remote override connections facilitate comprehensive control.

3.1 Display and Keypad

- **Display:** The LCD display provides real-time information, programming menus, and status indicators for the time switch.
- **Keypad:** Use the integrated keypad to navigate menus, enter programming parameters (e.g., time, date, schedules), and confirm selections. Specific key functions will be detailed in the main time switch manual.

3.2 Ethernet Connection

The Ethernet port allows for network connectivity, enabling remote monitoring, programming, and control of the time switch via a local network or the internet, depending on the capabilities of the main time switch unit and associated software/services.

- Connect a standard Ethernet cable from the ET9100's Ethernet port to a network switch or router.
- Refer to the main time switch manual for instructions on configuring network settings and accessing remote control features.

3.3 Remote Override Connections

The remote override connections provide terminals for external control signals, allowing for manual override of programmed schedules from a remote location or another control system. Consult the main time switch manual for specific wiring and configuration details for remote override functionality.

4. MAINTENANCE

The Intermatic ET9100 Door Assembly requires minimal maintenance to ensure optimal performance and longevity.

- **Cleaning:** Periodically wipe the exterior of the door assembly, including the display and keypad, with a soft, dry, or slightly damp cloth. Avoid using abrasive cleaners, solvents, or excessive moisture, as these can damage the display or electronic components.
- **Inspection:** Regularly inspect the door assembly for any signs of physical damage, loose connections, or environmental ingress (e.g., dust, moisture). Ensure the door closes securely.
- **Environmental Conditions:** Ensure the time switch and door assembly are operated within their specified environmental conditions (temperature, humidity) to prevent premature failure.

Always disconnect power to the unit before performing any cleaning or inspection that requires opening the enclosure.

5. TROUBLESHOOTING

If you encounter issues with your Intermatic ET9100 Door Assembly, consider the following troubleshooting steps. For complex issues, consult the main time switch manual or contact Intermatic technical support.

- **No Display/Power:**
  - Verify that power is supplied to the main time switch panel.
  - Ensure all internal connections between the ET9100 door assembly and the main unit are secure.
  - Check the circuit breaker for the time switch.

- **Keypad Unresponsive:**
  - Ensure the display is active and not in a sleep mode.
  - Check for any physical obstructions or damage to the keypad buttons.
  - Cycle power to the unit (turn off, wait 30 seconds, turn on).

- **Ethernet Connectivity Issues:**
  - Verify the Ethernet cable is securely connected at both ends.
  - Check the status lights on the Ethernet port (if present) and your network switch/router.
  - Ensure network settings (IP address, etc.) are correctly configured in the time switch.

6. SPECIFICATIONS

Specification	Detail
Manufacturer	Intermatic
Part Number	ET9100
Item Model Number	ET9100
Item Weight	2.49 pounds (1.13 kg)
Product Dimensions	1.88 x 4.88 x 13.5 inches (4.78 x 12.39 x 34.29 cm)
Color	Color (Standard)
Item Package Quantity	1
Mounting Type	Door
Included Components	ET9100 Door Assembly

Specification	Detail
Batteries Required?	No
Compatible Models	ET90415Cr, ET90815Cr, ET91215Cr, ET91615Cr

7. WARRANTY INFORMATION

For detailed warranty information regarding the Intermatic ET9100 Door Assembly with Electronics, please refer to the official manufacturer's documentation provided with your original time switch unit or visit the Intermatic website. The warranty description is typically provided by the manufacturer.

8. SUPPORT

If you require further assistance, technical support, or have questions not covered in this manual, please contact Intermatic customer service or visit their official support channels.

- **Intermatic Official Website:** www.intermatic.com
- **Customer Support:** Refer to the contact section on the Intermatic website for phone numbers or email support.