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### Itron YES030151

# Itron EDF 60A 230V Selective Circuit Breaker User Manual

Model: YES030151

## INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of your Itron EDF 60A 230V Selective Circuit Breaker. Please read this manual thoroughly before use and retain it for future reference. The Itron EDF 60A 230V Selective Circuit Breaker is designed to protect your electrical installation from overloads and short circuits. It is a single-phase, 2-pole device operating at 230 volts with a 500 mA differential current. Its selective nature allows for adjustable current settings at 30A, 45A, and 60A, ensuring compliance with NF C 62 411 standards.

## PRODUCT OVERVIEW



Figure 1: Itron EDF 60A 230V Selective Circuit Breaker. A white, rectangular electrical circuit breaker with the Itron logo and specifications printed on its side. It features a blue 'Test' button and a toggle switch.

## Key Features:

- 60 A 500 mA subscriber circuit breaker.
- Provides protection against electrical overloads and short circuits.
- Selective current adjustment: 30 A, 45 A, and 60 A.

- Designed for installation on EDF subscriber circuit breaker plates or meter/circuit breaker plates.
- Conforms to NF C 62 411 standard.
- Monophase, 230 volts, 2 poles, 500 mA differential.

## SETUP AND INSTALLATION

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Installation should only be performed by a qualified electrician in accordance with local electrical codes and regulations.

### Safety Precautions:

- Ensure the main power supply is disconnected before beginning any installation work.
- Verify that the voltage and current ratings of the circuit breaker match your electrical system requirements.
- Use appropriate personal protective equipment (PPE).

### Installation Steps:

1. Identify the appropriate mounting location on an EDF subscriber circuit breaker plate or a meter/circuit breaker plate.
2. Mount the circuit breaker securely onto the DIN rail. The mounting type is DIN rail mounting.
3. Connect the incoming phase and neutral conductors to the designated terminals (2 poles).
4. Connect the outgoing phase and neutral conductors to the protected circuit.
5. Ensure all connections are tight and secure.
6. Set the desired current rating (30A, 45A, or 60A) using the adjustment mechanism on the device. Refer to your electricity provider's specifications for the correct setting.

## OPERATING INSTRUCTIONS

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### Powering On/Off:

- To turn on the power, push the toggle switch to the 'I' (ON) position.
- To turn off the power, push the toggle switch to the 'O' (OFF) position.

### Testing the Differential Function:

It is recommended to test the differential function regularly (e.g., monthly) to ensure proper operation.

1. Ensure the circuit breaker is in the 'I' (ON) position.
2. Press the blue 'Test' button located on the front of the device.
3. The circuit breaker should trip, moving the toggle switch to the 'O' (OFF) position.
4. To reset, push the toggle switch fully down, then back up to the 'I' (ON) position.
5. If the circuit breaker does not trip during the test, contact a qualified electrician for inspection and replacement if necessary.

## MAINTENANCE

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The Itron EDF 60A 230V Selective Circuit Breaker requires minimal maintenance. Regular visual inspections and functional testing are recommended.

### Routine Checks:

- Periodically inspect the circuit breaker for any signs of physical damage, discoloration, or overheating.

- Ensure all connections remain tight.
- Perform the differential test as described in the "Operating Instructions" section.

Do not attempt to open or repair the circuit breaker yourself. Refer all servicing to qualified personnel.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Circuit breaker trips frequently.	Overload, short circuit, or ground fault in the protected circuit.	<ol style="list-style-type: none"> <li>1. Disconnect appliances from the circuit.</li> <li>2. Reset the circuit breaker.</li> <li>3. If it trips again, there may be a short circuit or ground fault. Contact a qualified electrician.</li> <li>4. Ensure the total load does not exceed the circuit breaker's rating.</li> </ol>
Circuit breaker does not trip when 'Test' button is pressed.	Faulty differential mechanism or internal damage.	<ol style="list-style-type: none"> <li>1. Do not use the circuit breaker.</li> <li>2. Contact a qualified electrician for inspection and replacement.</li> </ol>
Circuit breaker feels hot to the touch.	Overload, loose connections, or internal fault.	<ol style="list-style-type: none"> <li>1. Immediately turn off the main power supply.</li> <li>2. Contact a qualified electrician for inspection.</li> </ol>

## SPECIFICATIONS

Attribute	Value
Brand	Itron
Model Number	YES030151
ASIN	B07Z4TDBDN
Rated Current	60 A (Adjustable to 30 A, 45 A)
Differential Current	500 mA
Voltage	230 V
Number of Poles	2
Mounting Type	DIN rail mounting
Dimensions (L x W x H)	20.2 x 8 x 7.3 cm
Weight	400 grams
Compliance	NF C 62 411

## WARRANTY INFORMATION

Itron products are manufactured to high-quality standards. For specific warranty terms and conditions, please refer to the

documentation provided at the time of purchase or contact your local Itron distributor. Keep your proof of purchase for warranty claims.

## SUPPORT AND CONTACT

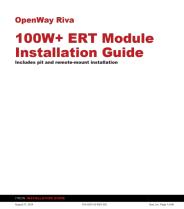
For technical assistance, troubleshooting beyond this manual, or spare parts information, please contact Itron customer support or your authorized dealer.

Manufacturer: Itron

For more information, visit the [Itron brand page](#).

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### Related Documents - YES030151

	<p><a href="#">Itron Cellular 500W Remote Module Installation Guide</a></p> <p>Installation guide for the Itron Cellular 500W Remote Module (ECW-1700-002), detailing its features, operating modes, and installation procedures for water meters and registers.</p>
	<p><a href="#">Itron 100W+ ERT Module Installation Guide: Pit and Remote Mount</a></p> <p>Comprehensive installation guide for the Itron 100W+ ERT Module, detailing procedures for both pit and remote-mount installations, setup, configuration, and troubleshooting for utility metering applications.</p>
	<p><a href="#">Itron FCT Field Configuration Tool User Guide</a></p> <p>User guide for the Itron Field Configuration Tool (FCT), providing installation, operation, and compliance information for utility field technicians.</p>
	<p><a href="#">Itron EquaScan eHCA Electronic Heat Cost Allocator - Product Overview and Technical Data</a></p> <p>Detailed information on the Itron EquaScan eHCA electronic heat cost allocator, featuring its technical specifications, communication interface, display functions, and dimensions for utility and building management.</p>

  <small>ACE6000 Многофункциональный счетчик электроэнергии</small>	<p><a href="#"><u>ACE6000 Многофункциональный счетчик электроэнергии Описание</u></a></p> <p>Описание многофункционального электронного трехфазного счетчика электроэнергии Itron ACE6000, включая характеристики, монтаж, эксплуатацию, безопасность и технические параметры.</p>
  <small>Cellular 500W Module Pit Installation Guide</small>	<p><a href="#"><u>Itron Cellular 500W Module Pit Installation Guide</u></a></p> <p>Comprehensive guide for installing the Itron Cellular 500W Module in pit applications. Covers safety, compliance, features, and step-by-step installation procedures for utility meter communication systems.</p>