

# Multifunction Protection Relay for Electrical Lines and Distribution Cabinets

The MPR-6M Multifunction Protection Relay is suitable for circuit protection and monitoring of electrical lines and distribution cabinets. It can monitor various parameters in real time, such as current, voltage, power, and electric energy.



## ADDITIONAL IMAGES



## Overview

### Comprehensive Protection & Monitoring

This multifunction protection relay is engineered for the reliable safeguarding of electrical lines and distribution cabinets. Featuring Class 0.2 high-precision measurement, it provides real-time monitoring of critical electrical parameters while supporting advanced protection modes like overcurrent, overvoltage, and undervoltage. Designed for seamless integration, it includes RS485 Modbus RTU communication for data transmission to SCADA and EMS platforms.

## Technical Specifications

### Measurement Class

Class 0.2

### Communication

RS485, Modbus RTU

## I/O Capabilities

### I/O Configuration

Component	Quantity
Digital Output (DO)	2-way
Digital Input (DI)	2-way (expandable to 4)
Temperature Sensors	4-way
Residual Current Channels	2-way

## Protection Features

### Protection Modes

- Overcurrent Protection
- Overvoltage Protection
- Undervoltage Protection
- Residual Current Monitoring (Fire Detection)
- Temperature Monitoring

## Operations & Alarm

### Alarm & Control

- Sound and Light Alarm
- Remote Control
- Automatic Tripping
- Manual Mute
- Manual Reset
- Self-Test