

# LCD Display Smart Motor Protector

The LCD Display Smart Motor Protector offers comprehensive motor protection. It monitors parameters such as current, voltage, and temperature, and protects against overloads and phase failures.



## ADDITIONAL IMAGES



## Overview

### Comprehensive Smart Motor Protection

The ARD series intelligent motor protector is a sophisticated solution designed to safeguard industrial motors from a wide range of operational faults including overload, phase failure, and short circuits. It features real-time monitoring of electrical parameters and an SOE fault event recording function to simplify on-site maintenance and troubleshooting. With integrated RS485 communication and multiple starting modes, it is ideal for demanding sectors such as petrochemical, smelting, and power generation.

## Technical Performance

### Measurement Accuracy

**1.5 Class**

Voltage & Current Accuracy

### Frequency Range

45 45-65Hz

## Power Supply

### Auxiliary Power Supply

- AC 85V - 265V
- DC 100V - 350V

## Protection Functions

### Fault Protection Suite

Start Timeout, Overload, Phase Failure, Unbalance, Underload, Ground/Leakage, Blockage, Short Circuit, Overvoltage, Undervoltage, Temperature

## I/O & Connectivity

### Communication Protocols

Modbus-RTU • Profibus-DP • RS485 • DC 4-20mA Analog

### Digital Inputs

9-channels DI passive dry node (built-in DC24V power supply)

### Relay Outputs

5 Channels

## Control Modes

### Supported Starting Modes

- Direct Start
- Star-Delta Start
- Autotransformer Start
- Soft Start

## Maintenance & Diagnostics

### Fault Event Recording

Records up to 8 SOE fault messages for maintenance analysis

## Applications

### Target Industries

Coal, Petrochemical, Smelting, Electric Power, Ships, Civil Construction