

# LED Display Smart Motor Protector

This smart motor protector is designed for motors with rated voltage of AC380V/660V. It offers optional leakage protection, RS485 communication, and analog output, with 2 channels DI passive dry node input and 4 channels DO output.



## ADDITIONAL IMAGES



## Product Overview

### Intelligent Motor Protection Solution

The ARD series intelligent motor protector is a comprehensive monitoring and protection solution designed for AC380V/660V motors. It provides real-time protection against critical faults such as overload, phase failure, and short circuits while offering SOE fault recording for streamlined maintenance. With integrated RS485 communication and analog outputs, it seamlessly connects to PLC and PC systems for advanced remote industrial monitoring.

## Key Performance Metrics

### Performance Highlights

**1.5 Class**

Measurement Accuracy (U, I)

**8 SOE**

Fault Message Records

**4 DO**

Output Channels

## Protection Functions

### Comprehensive Protection

Start Timeout, Overload, Phase Failure, Unbalance, Under Load, Ground/Leakage, Blockage, Short Circuit, External Fault

## Technical Specifications

### Rated Voltage Support

- AC 380V
- AC 660V

### Frequency Range

45-65Hz

### Auxiliary Power Supply

AC 85V~265V / DC 100V~350V

## Connectivity & Interface

### I/O and Communication

- RS485 Remote Communication Interface
- DC 4-20mA Analog Output
- 2 Channels DI Passive Dry Node Input
- Built-in DC 24V Signal Power Supply
- 4 Channels DO Output

### Supported Protocols

Modbus-RTU • Profibus-DP

## Application Areas

### Target Industries

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

## Monitoring Features

### Measured Parameters

- Current
- Voltage
- Power
- Energy
- Frequency