

# LED Display Live Line Switchgear Indicator

This LED display indicator is designed for high-voltage switchgear to show live line status. It features LED indicators for phases A, B, and C, along with a stop/display button.



## ADDITIONAL IMAGES



## Product Overview

### High-Voltage Live Display System

This high-voltage live display device is a sophisticated, non-contact detection system designed for medium-voltage switchgear. It provides continuous three-phase monitoring to ensure personnel safety by preventing accidental entry into live spaces. Meeting IEC 61243-5 and IEC 62271-213 standards, it features reliable locking functions, self-monitoring capabilities, and requires no auxiliary power, making it an essential component for power system safety.

## Technical Specifications

Rated Voltage	24V / 110V / 220V
Voltage Level	1 - 52 kV
Working Frequency	50 Hz
Power Consumption	2 W
Insulation Strength	2kV, 1min
Passive Contact Capacity	8A, 250VAC/48VDC
Compliance Standards	IEC 61243-5, IEC 62271-213

## Operational Metrics

### Voltage Thresholds

Function	Threshold
Voltage Presence	$U > 0.40 \times U_{nmin}$
Voltage Absence	$U < 0.15 \times U_{nmin}$
Over-voltage Protection	$U < 0.30 \times U_{nmin}$

### Key Performance Metrics

**31 years**

Minimum Lifetime (MTBF)

**1000 m**

Max Altitude

## Environmental & Mechanical

### Protection Class

IP40 • IP65

### Operating Temperature

-25°C to 55°C

### Mounting Dimensions

92x45mm (Panel Window)

## Features

### Key Features

- Fail-safe voltage testing
- Integrated self-test function
- High voltage and disconnection alarms
- Three-phase live voltage indication
- Electromagnetic lock automatic locking
- Maintenance-free (no battery required)