



TRYSTAR

VxE VOLTAGE MONITORING RELAYS

17.5MM DIN-RAIL MOUNTED



Voltage Monitoring Relays - VxE Series

17.5MM DIN-Rail Mounted

VxE voltage monitors prevent damage and downtime by continuously supervising AC or DC voltage levels, verifying that voltage remains within safe operating limits. These relays detect conditions such as undervoltage and/or overvoltage and provide a control output to alarm, inhibit start, or safely shut down equipment.

With adjustable trip points and time delays, these voltage monitors can be tuned to ride through short disturbances while responding quickly to harmful sustained conditions. Compact 17.5MM DIN-rail mounted design simplifies panel integration for OEMs and panel builders across HVAC, water/wastewater, industrial processing, and commercial building applications where constant voltage levels and equipment protection are essential.

17.5MM DIN-RAIL MOUNTED



Benefits

Trystar/Macromatic voltage monitors provide straightforward, cost-effective protection for motors, compressors, pumps, and sensitive controls by detecting abnormal line conditions before they cause overheating, nuisance tripping, or catastrophic failure. By combining precise sensing with adjustable response timing, they improve uptime, reduce maintenance, and extend equipment life.



Key Features

- Continuous monitoring for undervoltage and overvoltage conditions
- Adjustable trip thresholds and reset behavior to match application needs
- Adjustable time delay to ride through brief sags or transients
- Compact DIN-rail form factor for easy panel integration
- Clear LED status indication for quick troubleshooting
- Industrial-grade reliability for continuous-duty applications
- Compatible with motor starters, contactors, and PLC inputs for simple control integration



Product Series

Series Number	Description
VxE Series	17.5MM Voltage Monitor Relays



Applications

- **Motor protection** – Pumps, compressors, fans, conveyors, and blowers subject to low/high voltage events
- **HVAC/R equipment** – Protect compressors and condenser fans from brownouts and phase issues
- **Water & wastewater** – Lift stations, booster pumps, aeration blowers, and packaged skids
- **Industrial processing** – Packaging, material handling, and general manufacturing machinery
- **Commercial buildings** – Critical mechanical rooms, rooftop units, and building utility systems
- **Agriculture & irrigation** – Long feeder runs where voltage drop can damage motors
- **Generator/ATS systems** – Verify acceptable source voltage before transfer or start
- **OEM control panels** – Standardized power-quality supervision in compact enclosures



Available Options

- Environmentally friendly bulk packaging
- Custom functions and timing settings (please inquire)