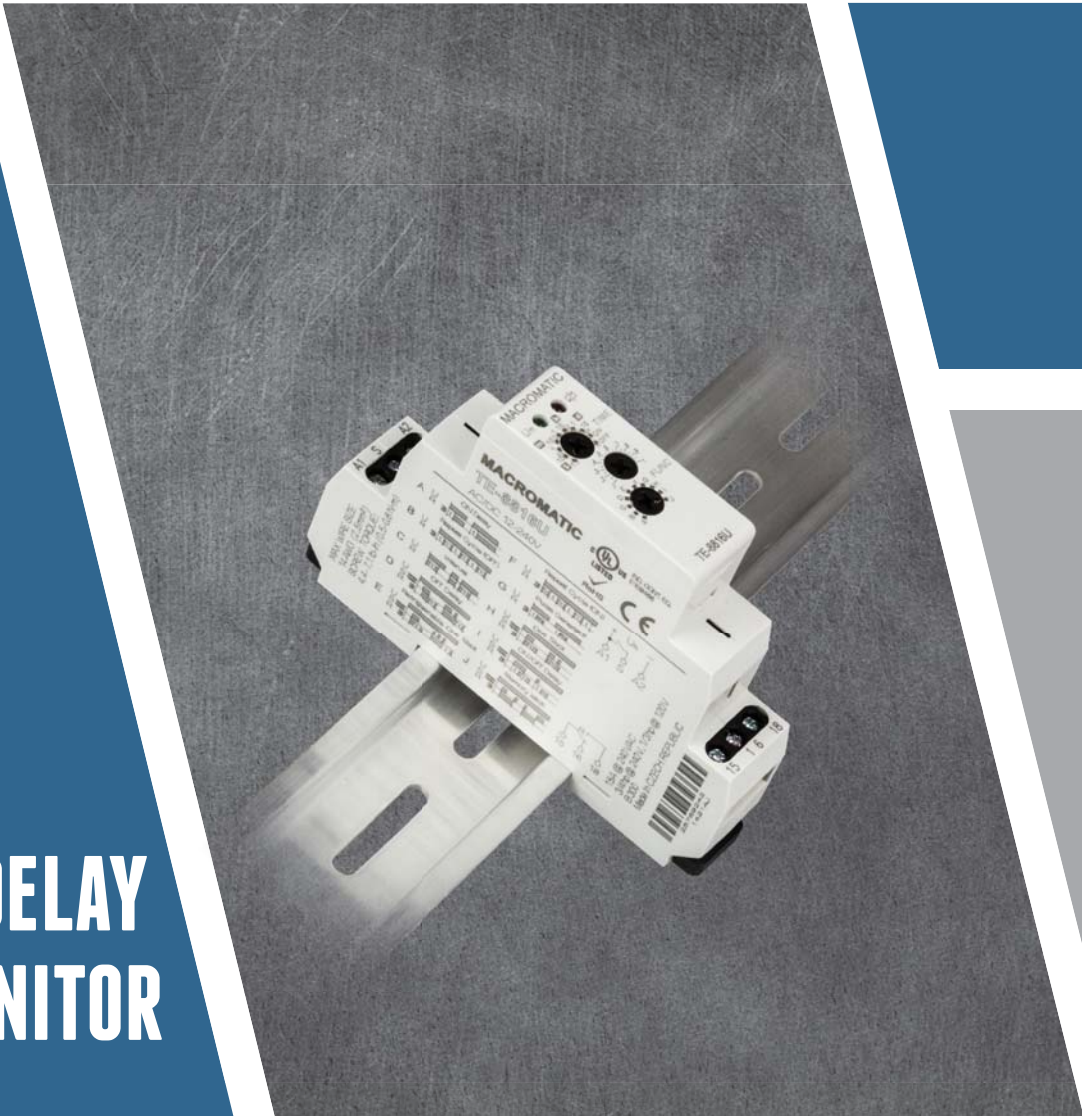




Better. By Design.



# 17.5MM TIME DELAY & VOLTAGE MONITOR RELAYS

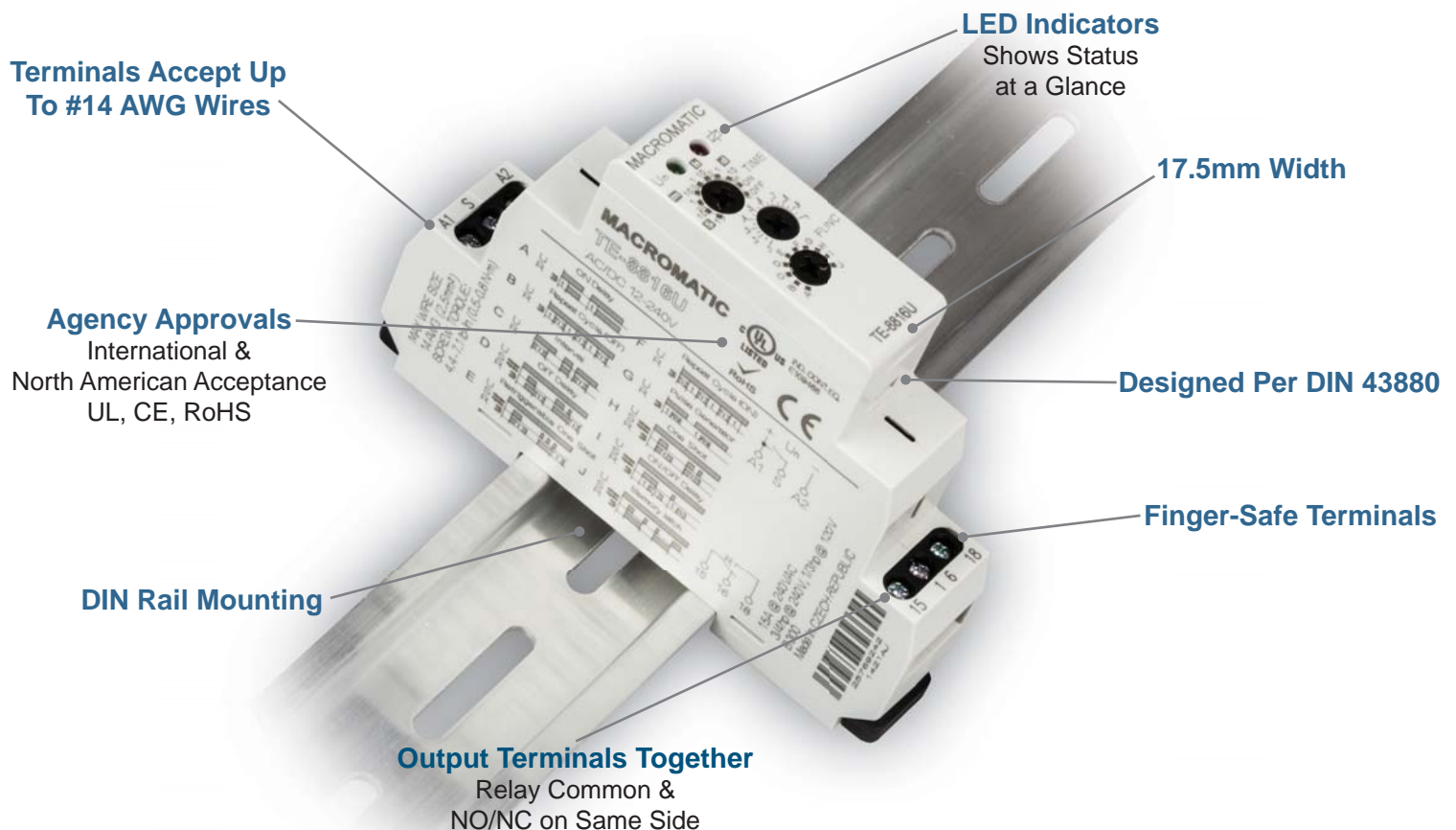
**COST-EFFECTIVE & SPACE SAVING DESIGNS**

# 17.5MM TIME DELAY & VOLTAGE MONITOR RELAY FEATURES

Macromatic's 17.5mm **Time Delay Relays** provide unparalleled flexibility for critical timing applications while the **Voltage Monitor Relays** protect equipment from damaging AC or DC voltage conditions. Both compact products are DIN-rail mounted and ideal for OEM applications where saving space in smaller panels is a priority.

- 17.5mm relay width reduces panel space, allows use of smaller, less expensive enclosures
- DIN-rail mounting provides simple snap-on installation without tools and hardware, saves time and money
- DIN-rail mounting secures installation for high vibration applications
- Meets DIN 43880 enclosure standard, optimized for door-in-door setup allowing quick and easy setup
- Available with either time delay functionality or voltage monitoring capabilities

These easy-to-install relays fully complement other IEC-style products - such as contactors, motor protection switches and terminal blocks - used in UL508 control panels. Macromatic's 17.5mm relays meet the requirements of International and North American standards.



# TIME DELAY RELAY (TE-881 SERIES)

Unparalleled flexibility for critical timing applications



**Multi-Voltage**  
12-240V AC/DC Input Voltage

**Multi-Time Range**  
8 Selectable Ranges  
From 0.1 Second-10 Days

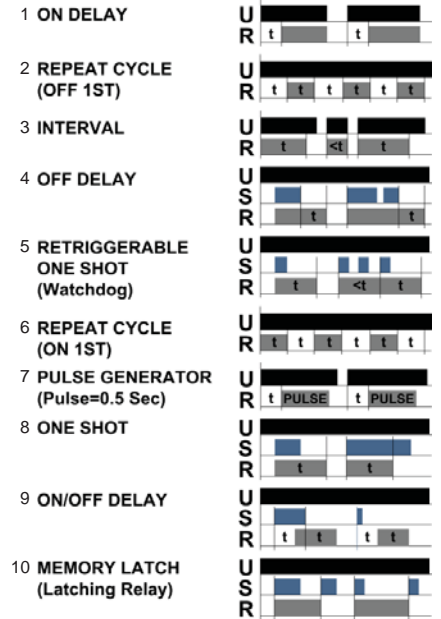
**Multi-Function**  
10 Selectable Timing Functions

**Output Contacts**  
15A @ 240V AC SPDT or DPDT



Cat. No.	Output
TE-8816U	SPDT
TE-8812U	DPDT

## Selectable Timing Functions



U - Input Voltage  
R - Relay Output  
S - Control Switch Trigger

# VOLTAGE MONITOR RELAY (VWKE SERIES)

Protects equipment from damaging AC or DC voltage conditions

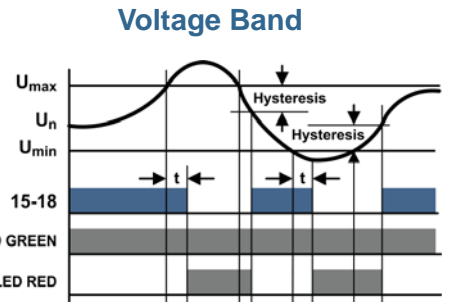


**Adjustable Pick-Up Setting**  
Monitored Voltages of 24V DC,  
120V AC & 240V AC

**Adjustable Drop-Out Time Delay**  
0.1-10 Second Delay  
Prevents Nuisance Tripping

**Adjustable Drop-Out Setting**  
30-95% of Pick-Up Setting

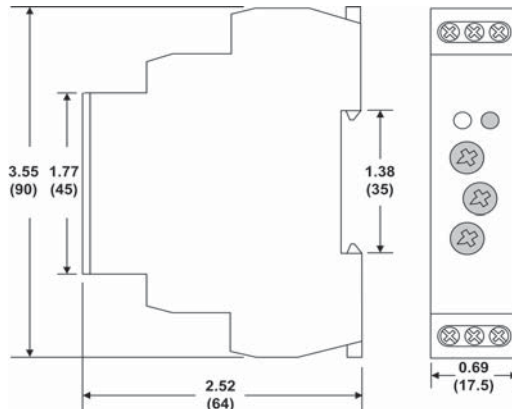
**Output Contacts**  
15A @ 240V AC SPDT



Cat. No.	Monitored Voltage (Un)
VWKE024D	24V DC
VWKE120A	120V AC
VWKE240A	240V AC



## TIME DELAY & VOLTAGE MONITOR RELAY DIMENSIONS



All dimensions in inches (mm)

### MACROMATIC'S PRODUCT LINE

- Three-Phase Voltage Monitor Relays
- Alternating Relays
- Time Delay Relays
- Pump Seal Failure Relays
- Liquid Level Control Relays
- Voltage Monitor Relays
- Current Sensing Relays
- Intrinsically-Safe Relays
- Custom-Engineered Controls
- Accessories

### ABOUT MACROMATIC INDUSTRIAL CONTROLS

Located in Menomonee Falls, Wisconsin, Macromatic Industrial Controls engineers and manufactures industrial relays that control electrical processes and monitor power for damaging fault conditions. Providing solutions for most applications in any industry, Macromatic specializes in the HVACR, pump control, material handling, motor control, generator, and lift and elevator industries.

As an independently-owned manufacturer of state-of-the-art control and monitoring products for over 40 years, Macromatic takes pride in its short lead-time, flexible product design, and exceptional technical support.

- *Five Year Warranty*
- *Short lead-times*
- *Superior customer service*
- *Advanced technical support*
- *Products meet UL and CE*
- *RoHS manufacturing*