Timer Relay

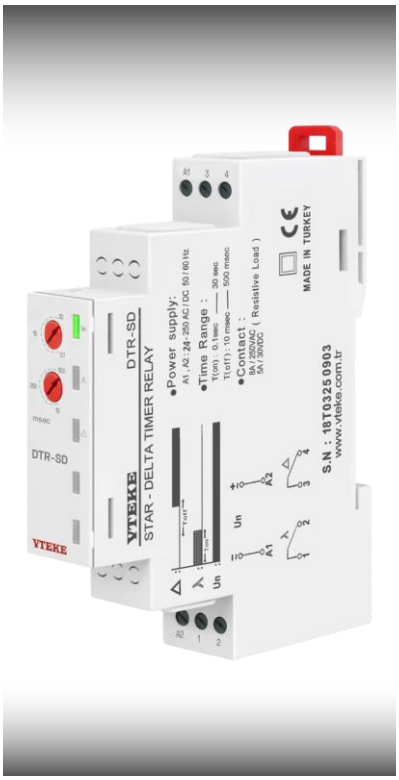
STAR-DELTA TIMER RELAY
DTR-SD

FEATURES

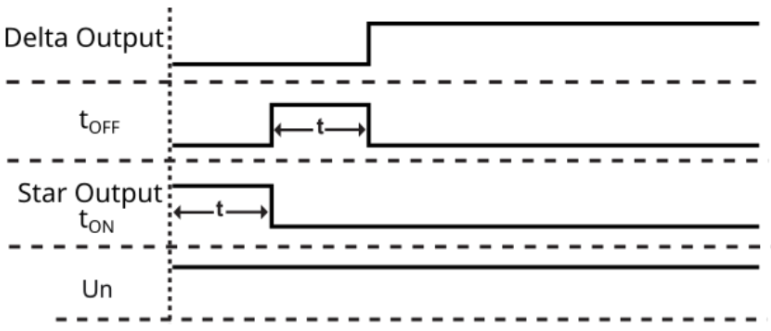
VTEKE's Star-Delta Timer Relay is an electronic control device designed for three-phase motor starting applications in industrial automation systems and electrical control panels. It starts the motor in the star configuration to reduce the applied voltage and limit inrush current. After a preset time delay, it switches the motor to the delta configuration for normal operation, providing a controlled starting sequence and reducing electrical stress during motor startup.

TECHNICAL SPECIFICATIONS

PARAMETER	VALUE
Operating Voltage(Un)	A1-A2: 24V-250V AC/DC 50/60 Hz
Operating Power	<4 VA
Operating Temperature	-20°C...55°C
Delay Time	λ t_{ON}: 1s...30s t_{OFF}: 10ms...500ms
Contact Configuration	2 x (1NO)
Contact Rating (Resistive Load)	• 5A 30VDC, • 10A 250VAC, • 12A 125VAC
Switching Time	10ms
Connection Type	Plug-in
Max. Wire Size	1.5mm
Mounting	DIN Rail
Weight	<120g
Working Altitude	<2000m
Protection Class	IP20
Certifications	CE



TIMING DIAGRAM

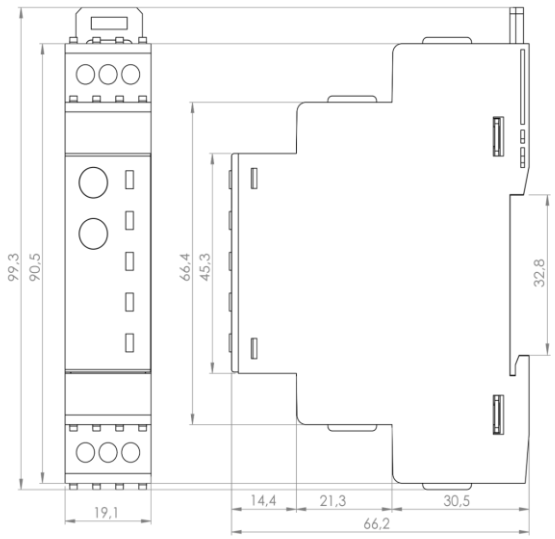


Timer Relay

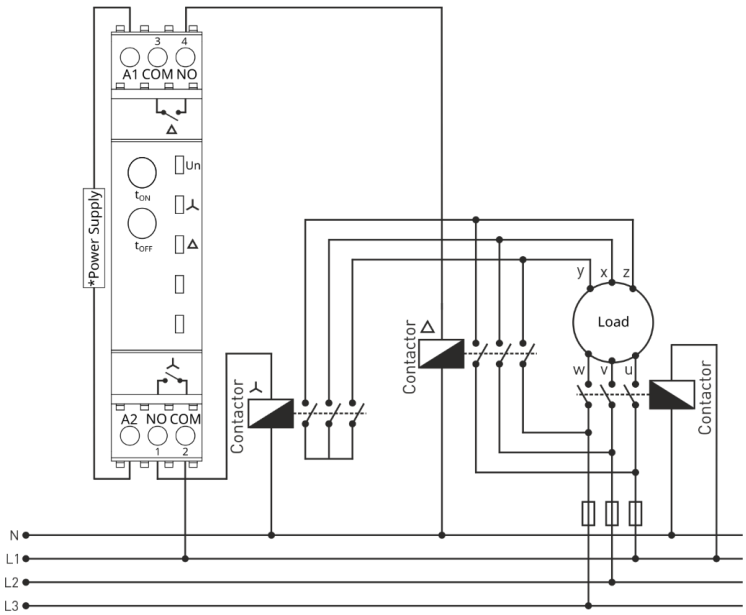
STAR-DELTA TIMER RELAY
DTR-SD

VTEKE®

DIMENSIONS



Wiring Diagram



* Please refer to the specifications table for power supply requirements