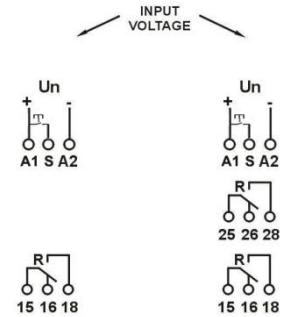




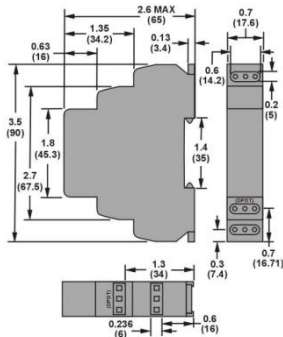
**YX631
YX632**

TYPE	YX631 / YX632
SPEC	SPDT / DPDT 16A 240VAC
DESCRIPTION	MULTIFUNCTIONS DELAY
IP20	

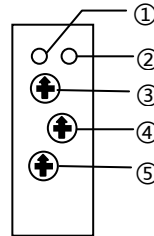
WIRING DIAGRAMS



**DIMENSIONS
INCHES(MILLIMETERS)**



FRONT VIEW



- ① Power Indicator
- ② Work Indicator
- ③ Time Range Selection
- ④ Time Adjustment Knob
- ⑤ Function Selection

- Contact Configuration
- Universal Power Supply
- 2 LED Status Indicators
- SPDT or DPDT
- Rated Current 16A
- Only 17.5 mm Wide
- DIN Rail Mountable
- CE RoHS Compliant

**Multifunctions
Time Relay**



YX631
YX632

MAXGE

FUNCTIONS

Function	Operation	Timing Chart
A. ON DELAY Power On	When the input voltage U is applied, timing delay t begins. Relay contacts R change state after time delay is complete. Contacts R return to their shelf state when input voltage U is removed. Trigger switch is not used in this function.	
B. REPEAT CYCLE Starting Off	When input voltage U is applied, time delay t begins. When time delay t is complete, relay contacts R change state for time delay t . This cycle will repeat until input voltage U is removed. Trigger switch is not used in this function.	
C. INTERVAL Power On	When input voltage U is applied, relay contacts R change state immediately and timing cycle begins. When time delay is complete, contacts return to shelf state. When input voltage U is removed, contacts will also return to their shelf state. Trigger switch is not used in this function.	
D. OFF DELAY S Break	Input voltage U must be applied continuously. When trigger S is closed, relay contacts R change state. When trigger S is opened, delay t begins. When delay t is complete, contacts R return to their shelf state. If trigger S is closed before time delay t is complete, then time is reset. When trigger S is opened, the delay begins again, and relay contacts remain in their energized state. If input voltage U is removed, relay contacts R return to their shelf state.	
E. RETRIGGERABLE ONE SHOT	Upon application of input voltage U , the relay is ready to accept trigger signal S . Upon application of the trigger signal S , the relay contacts R transfer and the preset time t begins. At the end of the preset time t , the relay contacts R return to their normal condition unless the trigger signal S is opened and closed prior to time out t (before preset time elapses). Continuous cycling of the trigger signal S at a rate faster than the preset time will cause the relay contacts R to remain closed. If input voltage U is removed, relay contacts R return to their shelf state.	
F. REPEAT CYCLE Starting On	When input voltage U is applied, relay contacts R change state immediately and time delay t begins. When time delay t is complete, contacts return to their shelf state for time delay t . This cycle will repeat until input voltage U is removed. Trigger switch is not used in this function.	
G. PULSE GENERATOR	Upon application of input voltage U , a single output pulse of 0.5 seconds is delivered to relay after time delay t . Power must be removed and reapplied to repeat pulse. Trigger switch S is not used in this function.	
H. ONE SHOT	Upon application of input voltage U , the relay is ready to accept trigger signal S . Upon application of the trigger signal S , the relay contacts R transfer and the preset time t begins. During time-out, the trigger signal S is ignored. The relay resets by applying the trigger signal S when the relay is not energized.	
I. ON/OFF DELAY S Make/Break	Input voltage U must be applied continuously. When trigger S is closed, time delay t begins. When time delay t is complete, relay contacts R change state and remain transferred until trigger S is opened. If input voltage U is removed, relay contacts R return to their shelf state.	
J. MEMORY LATCH S Make	Input voltage U must be applied continuously. Output changes state with every trigger S closure. If input voltage U is removed, relay contacts R return to their shelf state.	

SPECIFICATIONS

OUTPUT CHARACTERISTICS		
Number and type of contacts	SPDT or DPDT	
Contact material	Silver alloy	
Current rating	15 A @ 240 VAC, 24 VDC 240 V 50/60 Hz 24 VDC	
Switching voltage	1/2 HP @ 120 V 50/60 Hz 1 HP @ 240 V 50/60 Hz B300 pilot duty	
Minimum switching requirement	100 mA	
Indication	Red LED	
INPUT CHARACTERISTICS		
Voltage range	12 to 240 V 50/60 Hz/VDC	
Operating range (% of nominal)	85% to 110%	
Maximum consumption	3 VA (AC) 1.7 W (DC)	
Indication	Green LED	
TIMING CHARACTERISTICS		
Functions available	10	
Time scales	10	
Time ranges	0.1 sec to 10 days	
Tolerance (mechanical setting)	5%	
Repeatability (constant voltage and temperature)	0.2%	
Reset time (maximum)	150 ms	
Trigger pulse length (minimum)	50 ms	
PERFORMANCE CHARACTERISTICS		
Electrical life (operations @ rated current)	100,000 cycles (resistive)	
Mechanical life (unpowered)	10,000,000 cycles	
Dielectric strength	Input to contacts	2500 VAC
	Between open contacts	1000 VAC
Terminal wire capacity	14 AWG (2.1 mm ²)	
Terminal torque (maximum)	7.1 lbf in (0.8 Nm)	
ENVIRONMENT		
Product certifications	CE, RoHS	
Ambient air temperature	Storage	-30 to +70 °C (-22 to +158 °F)
Around the device	Operation	-20 to +55 °C (-4 to +131 °F)
Degree of protection		IP 20
Weight		65 grams (2.3 oz)

Multifunctions
Time Relay