MULTISPAN

UNIVERSAL TIMER
UTR-35

CE

TECHNICAL SPECIFICATION

INPUT SPECIFICATION:

Input (Start Pulse)	Start / Rst Micro switch
	Micro Switch
Time Range	Sec (9.99/99.9/999)
	Min (9.59/99.9/999)
	Hour (9.59/99.9/999)

DISPLAY AND KEYS:

Display	Upper: 3 digit, 7 segment, 0.4” Lower: 3 digit, 7 segment, 0.28”
Keys	SET , UP, DOWN/RST

DIMENSION:

Size	90 (H) x 35 (W) x 61.5 (D) mm

GENERAL SPECIFICATION:

Operating Mode	Cyclic On Timer
	Cyclic Off Timer
	Delay On Timer
	Delay Off Timer
Counting Direction	UP/ DOWN
Reset Option	Front Panel Reset
	Terminal Reset

OUTPUT SPECIFICATION:

Relay Output	
Relay	1Relay 1 C/O
Rating	5A, 230V AC

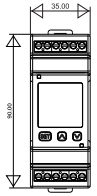
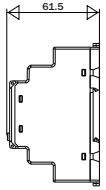
AUXILIARY SUPPLY:

Supply voltage	100 to 270V AC, 50-60Hz
Power consumption (VA RATING)	Approx 4 VA @ 230V AC MAX

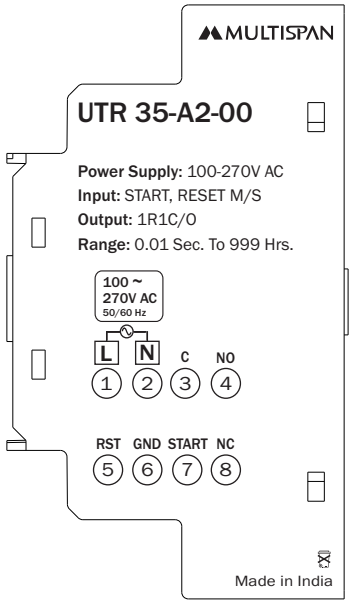
ENVIRONMENT CONDITION:

Operating Temp.	0°C to 55°C
Relative Humidity	UP to 95% RH (non-condensing)
Protection Level (AS Per Request)	IP-65 (Front side) As per IS/IEC 60529 : 2001

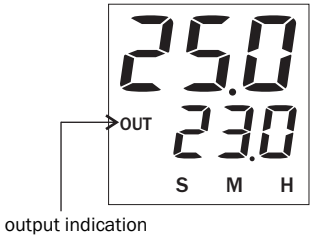
MECHANICAL INSTALLATION

Front View(mm)	Side View(mm)
	

TERMINAL CONNECTION



STATUS LED DESCRIPTION



output indication

KEY OPERATION

FUNCTION	PRESS KEY
OPERATOR MODE	
To enter in parameter setting mode	SET
PARAMETER SETTING MODE	
Edited parameter value to be set, And move to the next parameter	SET
It will change the Value of Increase Count	∧
It Will Chang the value of Down Count	∨

INSTALLATION GUIDELINES

1. This equipment, being built-in-type, normally becomes a part of main control panel and in such case the terminals do not remain accessible to the end user after installation and internal wiring.
2. Do not allow pieces of metal, wire clippings, or fine metallic fillings from installation to enter the product or else it may lead to a safety hazard that may in turn endanger life or cause electrical shock to the operator.
3. Circuit breaker or mains switch must be installed between power source and supply terminal to facilitate power ‘ON’ or ‘OFF’ function. However this mains switch or circuit breaker must be installed at convenient place normally accessible to the operator.
4. Use and store the instrument within the specified ambient temperature and humidity ranges as mentioned in this manual.

MECHANICAL INSTALLATION GUIDELINES

1. Prepare the panel cutout with proper dimensions as shown above.
2. Fit the unit into the panel with the help of clamp given.
3. The equipment in its installed state must not come in close proximity to any heating source, caustic vapors, oils steam, or other unwanted process byproducts.
4. Use the specified size of crimp terminal (M3.5 screws) to wire the terminal block. Tightening the screws on the terminal block using the tightening torque of the range of 1.2 N.m.
5. Do not connect anything to unused terminals.

MAINTENANCE

1. The equipment should be cleaned regularly to avoid blockage of ventilating parts.
2. Clean the equipment with a clean soft cloth. Do not use isopropyl alcohol or any other cleaning agent.
3. Fusible resistor must not be replaced by operator.

SAFETY PRECAUTION

All safety related codifications, symbols and instructions that appear in this operating manual or on the equipment must be strictly followed to ensure the safety of the operating personnel as well as the instrument.

If all the equipment is not handled in a manner specified by the manufacturer, it might impair the protection provided by the equipment.

Read complete instructions prior to installation and operation of the unit.

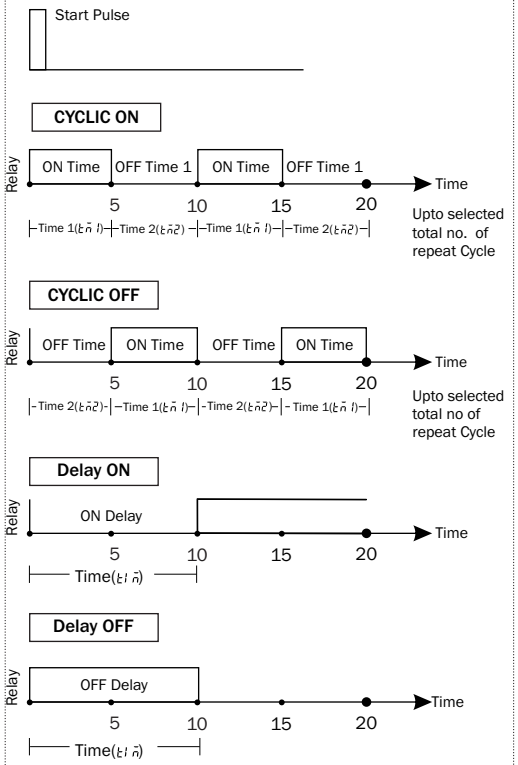
WARNING : Risk of electric shock.

WARNING GUIDELINES

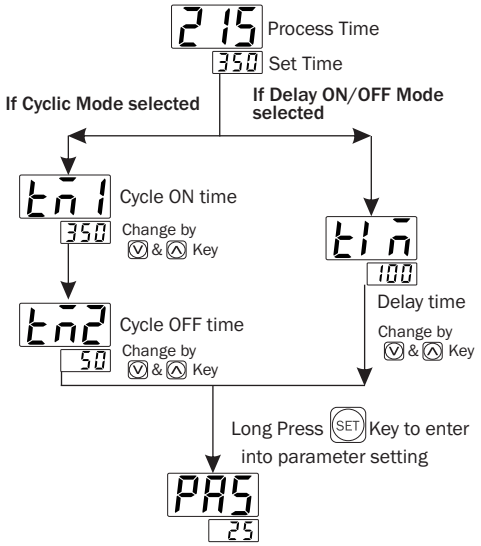
WARNING : Risk of electric shock.

1. To prevent the risk of electric shock, power supply to the equipment must be kept OFF while doing the wiring arrangement. Do not touch the terminals while power is being supplied.
2. To reduce electro magnetic interference, use wire with adequate rating and twists of the same of equal size shall be made with shortest connection.
3. Cable used for connection to power source, must have a cross section of 1mm or greater. These wires should have insulations capacity made of at least 1.5kV.
4. A better anti-noise effect can be expected by using standard power supply cable for the instrument.

TIMING DIAGRAM



SET TIME SETTING



PARAMETER SETTING