

# Multifunction Timer

MDT-17U

## APPLICATIONS

Electrical Appliances

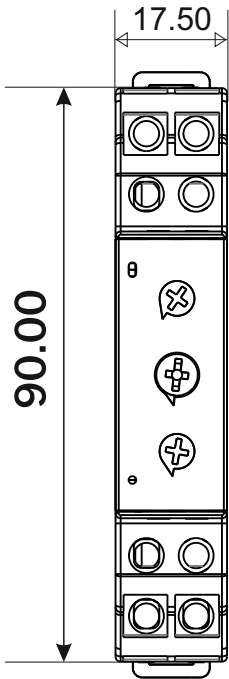
Control of Lights, Fan, Heaters

Automation panels

Special purpose machine

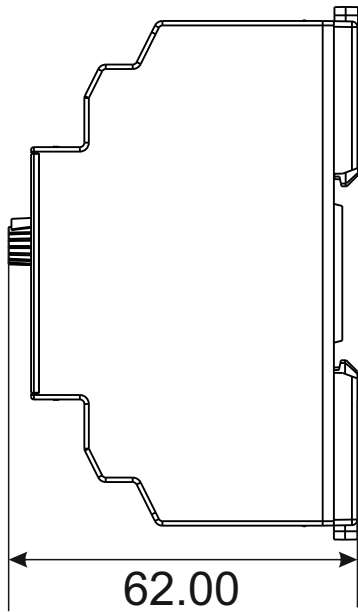
Air conditioning - HVAC

# Mechanical Dimensions



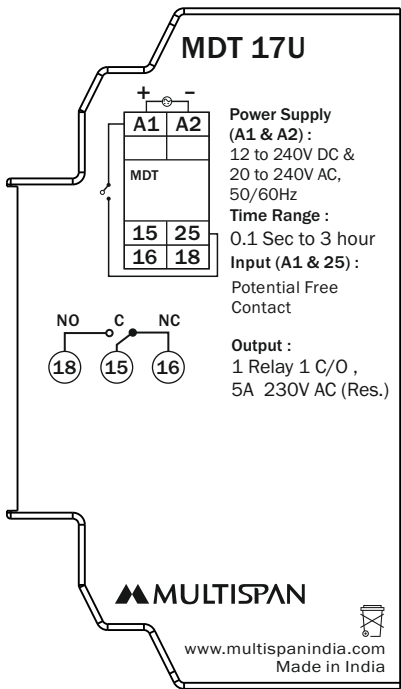
**FRONT VIEW**

All dimensions are in mm

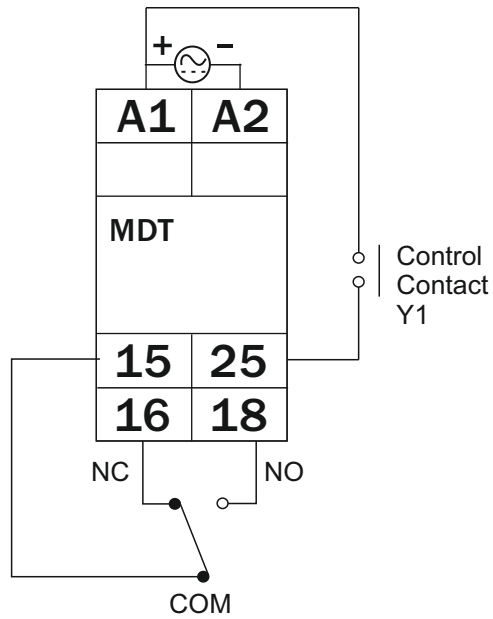


**RIGHT SIDE VIEW**

# Connection Diagram



# Terminal Connection



# TECHNICAL DATA

<b>Modes</b>	On delay Interval Cyclic equal Off First Cyclic equal On first Pulse output, 500ms fixed Delay On break Delay on make / Delay on break Interval after break Single shot Retriggerable single shot Latching relay
<b>Time Range</b>	0.1-1sec, 0.3-3sec, 1-10sec, 3-30sec, 0.1-1min, 0.3-3min, 1-10min, 3-30min, 0.1-1hr, 0.3-3hr
<b>Resolution</b>	0.1sec
<b>Reset</b>	On power interruption Reset time < 100m sec

## INPUT

<b>Input</b>	A1 & 25 Terminal Potential Free Contact
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## OUTPUT

<b>Relay contact</b>	1 Relay 1C/O
<b>Contact Rating</b>	5@250V AC, Resistive Load

## DISPLAY INDICATION

<b>LED</b>	Main LED, Relay LED
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## SUPPLY VOLTAGE

<b>Auxiliary Supply</b>	12 to 240V DC & 20 to 240V AC, 50/60Hz
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## Environmental Characteristics

<b>Working Temperature</b>	0 to 55 °C
<b>Storage Temperature</b>	0 to 70 °C
<b>Relative Humidity</b>	95% RH Non-condensing
<b>Protection (As per Request)</b>	IP-65 (Front Side)

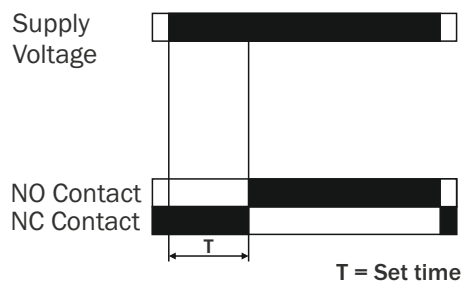
## Mechanical Characteristics

<b>Mounting Type</b>	Din Rail
<b>Bezel (HXW)</b>	90 x 17.5
<b>Depth of Installation</b>	62
<b>Material</b> <b>Body</b>	Polycarbonate (PC)
<b>Terminal Screw Size</b>	M3.5
<b>Screw Torque (N.m)</b>	1
<b>Wire Gauge (AWG)</b>	26-14
<b>Accessories</b>	1 Pair of Mounting Clamps

# TIMING DIAGRAM

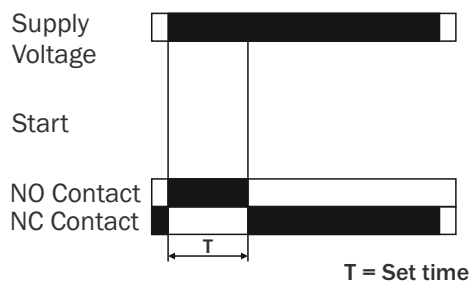
(A)

Function: ON Delay



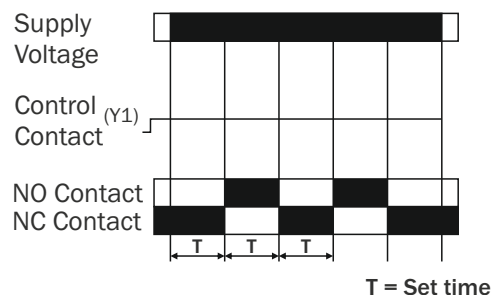
(B)

Function: Interval



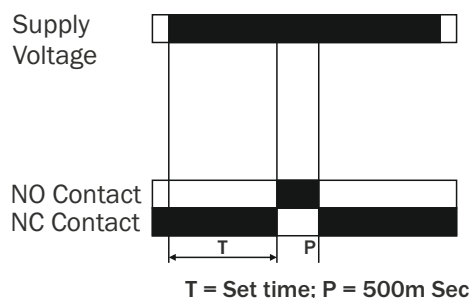
(C)

Function: Cyclic equal Off first  
With Input



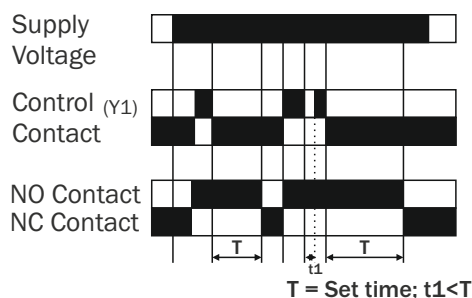
(D)

Function: Pulse Output

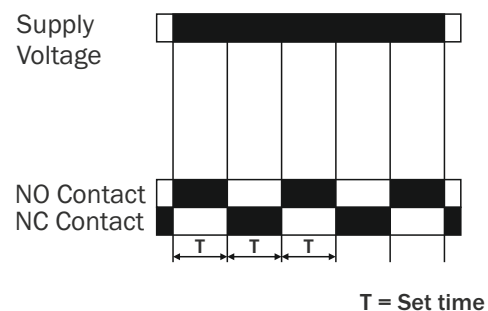


(E)

Function: Delay On break

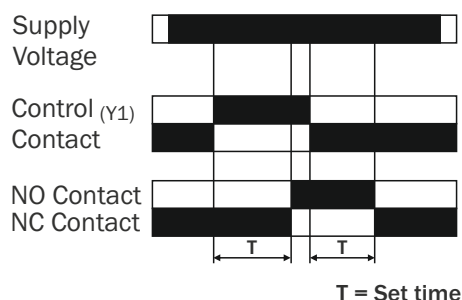


Function: Cyclic equal On first  
Without Input



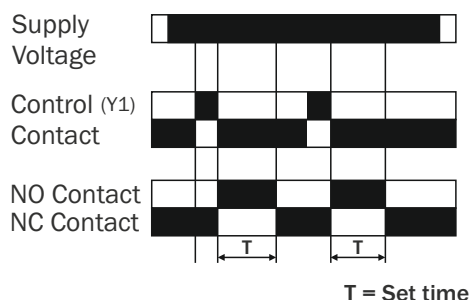
(F)

Function: Delay On make/break



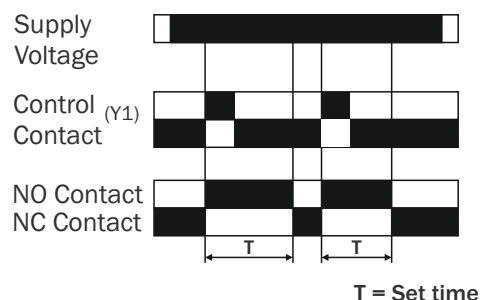
(G)

Function: Interval after break



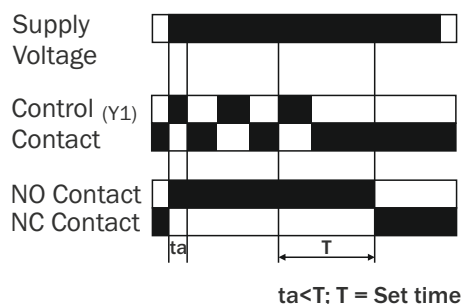
(H)

Function: Single shot



(I)

Function: Retriggerable single shot



(J)

Function: Latching relay

