TECHNICAL SPECIFICATIONS		
CAT.No. SUPPLY CHARACTERISTICS		7954
Nominal Supply (中)		
Limits		24 - 240 VAC / DC (50 to 60 Hz, ± 2 Hz) -15 % to +10 % of 中
Power Consumption (Max.)		0.5 VA (@ 24/48 VAC), 4VA (@ 110 to 265 VAC/DC)
RELAY OUTPUT CHARACTERISTICS		0.5 VA (@ 24/46 VAC), 4VA (@ 110 10 205 VAC/DC)
Contact Arrangement		1 C/O
Contact Rating		8A (Resistive) @ 240 VAC / 24 VDC
Contact Material		AgSnO ₂
Mechanical Life Expectancy		2×10^{7}
Electrical Life Expectancy		1 × 10 ⁵
Switching Frequency (Max.)		1800 Operations / hr. @ rated load
Status Indication on panel		Red LED - Relay ON
FEATURE CHARACTERISTICS		
Modes Available		1. ON Delay ∄) 2. Cyclic OFF/ON (Sym, Asym) (ⓑ) 3. Cyclic ON/OFF(Sym, Asym) (Ё) 4. Signal ON/OFF (∉) 5. Signal Off Delay (Ё) 6. Interval (Ё) 7. Signal OFF/ON (Ё) 8. One Shot Output (♓)
Timing Ranges		h:m <u>m:s hr min sec</u> 9:59 9:59 999 999 999 99.9 99.9 99.9
Signal Sensing Time		20 ms Max. (DC High), 40 ms Max. (AC High), 100 ms Max. (Low)
Signal Impedance		300 k
Repeat Accuracy		± 0.5% of selected range
Utilization Category	AC-15	\pm 0.5% of selected range Rated Voltage (Ue): 125/240 V, Rated Current (Ie) : 3/1.5 A
	DC-13	Rated Voltage (Ue): 125/240 V, Rated Current (Ie): 5/1.5 A Rated Voltage (Ue): 125/250 V, Rated Current (Ie): 0.22/0.1 A
Dimension (W X H X D) (in mm)		17.5 x 89 x 76
Weight		85 g (unpacked)
Variation in timing due to voltage change		± 0.2 %
Variation in timing due to temperature change		
Operating Temperature		-10° C to + 55° C
Storage Temperature		-20° C to + 65° C
Humidity (Non - Condensing)		23 % Rh
Mounting		Base / DIN-Rail (35 mm Sym.)
Terminal capacity		1.5 mm ² (Pin type lugs)
EMI/EMC		
Harmonic Current Emissions		IEC 61000-3-2 Ed. 3.0 (2005-11) Class A
ESD		IEC 61000-4-2 Ed. 1.2 (2001-04) Level II
Radiated Susceptibility		IEC 61000-4-3 Ed. 3.0 (2006-02) Level III
Electrical Fast Transient		IEC 61000-4-4 Ed. 2.0 (2004-07) Level IV
Surge		IEC 61000-4-5 Ed. 2.0 (2005-11) Level IV
Conducted Susceptibility		IEC 61000-4-6 Ed. 2.2 (2006-05) Level III
Voltage Dips & Interruptions(AC)		IEC 61000-4-11 Ed. 2.0 (2004-03)
Voltage Dips & Interruptions(DC)		IEC 61000-4-29 Ed. 1.0 (2000-08)
Conducted Emission		CISPR 14-1 Ed. 5.0 (2005-11) Class B
Radiated Emission		CISPR 14-1 Ed. 5.0 (2005-11) Class B
Safety		
Test Voltage Between I/P & O/P		IEC 60947-5-1 Ed. 3.0 (2002-11) 2 kV
Impulse Voltage Between I/P & O/P Single Fault		IEC 60947 - 5-1 Ed. 3.0 (2003-11) Level IV IEC 61010-1 Ed. 2.0 (2001-02) Level IV
Insulation Resistance		UL 508 Ed.17 (1999-01) <2000 M Ω
Leakage Current		$\begin{array}{c c c c c c c c c c c c c c c c c c c $
Degree of Protection		IP 20 for Terminal; IP-40 for Housing
Pollution Degree		II
Type of Insulation		Reinforced
Environmental		
Cold Heat		IEC 60068-2-1 Ed. 6.0 (2007-03)
		IEC 60068-2-2 Ed. 5.0 (2007-07)
		IEC 60068-2-6 Ed. 7.0 (2007-12) 5g
		IEC 60068-2-27 Ed. 4.0 (2008-02) 40g, 6ms
Non-repetitive Shock		IEC 60068-2-27 Ed. 4.0 (2008-02) 30g, 15ms



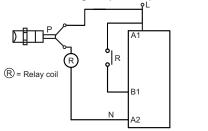
7954 Digital Timer - 8 Functions



▲ CAUTIONS:

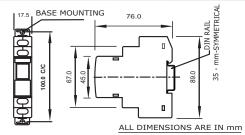
1.Always follow instructions stated in this product. 2.Before installation, check to ensure that the specifications agree with the intended application. 3.Installation to be done by skilled electrician. 4.Automation & Control devices must be properly installed so that they are protected against any risk of involuntary actuations.

5.Using of AC 2 wire Type Proximity Sensor: Please add input relay to prevent false signal sensing due to current leakage of proximity sensor as below.

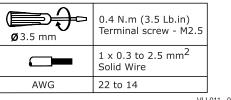


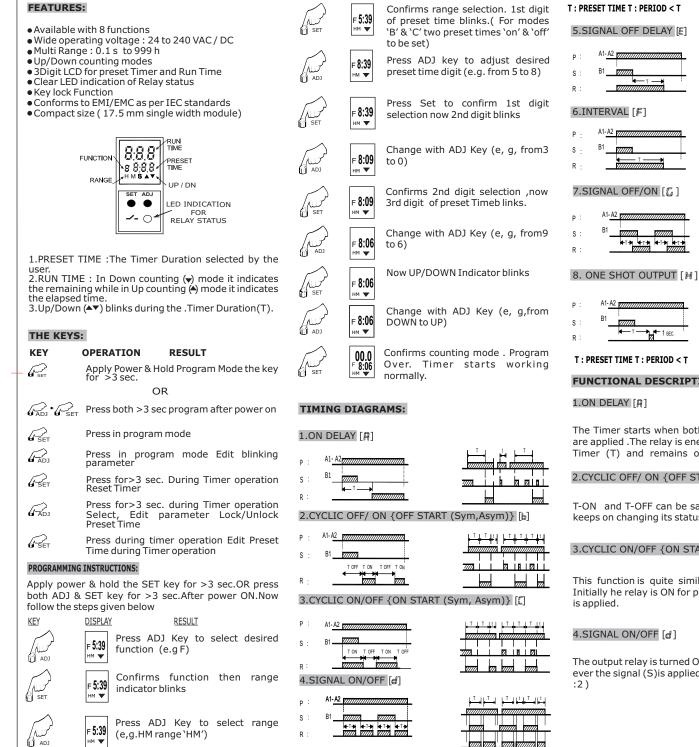
Use relay coil Voltage of the same Voltage using for Proximity sensor. [Relay coil current should not exceed the maximum current Specified by Proximity sensor.]

OVERALL DIMENSIONS:



TERMINAL DETAILS:

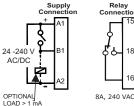




not affect output status but resets timing and re-triagers timing. 3.Output de-energises when device enters PROGRAM MODE and starts new cycle after coming out of. PROGRAM MODE.

4.Loads which have current requirement 1mA, con only be used as Optional Load . For e.g. Contactor coil ,AC Relay Coil, etc,

CONNECTIONS:







8A, 240 VAC/24 VDC

Note:

prior notice.

Product innovation being a continuous process. We reserve the right to alter specification without any

Nots:2) 8.ONE SHOT OUTPUT [#] When Signal (s) is applied ,the timer duration (T)

Starts. At the end of Timer duration (T), the relay gets energized for approximately 1 sec.(Refer Note:2)

5.SIGNAL OFF DELAY P: POWERS : SIGNAL R : RELAY Output relay become on when signal (S) is applied.

The Timer duration (S) is removed .At the end of timer Duration (T) the output relay goes OFF. Signal (S), if Applied during the timer duration (S) will re -trigger The timer and the total duration will be extended.

6.INTERVAL [F]

When Signal (S) is applied ,The Timer Starts and the Output trelay is energized .The output relay be comes OFF at the end of timer duration (T).

7.SIGNAL OFF/ON [

When Signal (s) is applied or removed ,The relay changes. Its state after timer duration (T) (Refer

1.For power -on operation the terminal B1 and A1 must.

FUNCTIONAL DESCRIPTION: 2.In case of all modes except mode G a change in Signal (s) status during the Timing Duration (T), does

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P: POWERS: SIGNAL R: RELAY

777

The Timer starts when both power (p) and signal (s) are applied .The relay is energized at the end of preset Timer (T) and remains on till power is removed.

2.CYCLIC OFF/ ON {OFF START (Sym,Asym)}]

📕 1 SEC.

T-ON and T-OFF can be same or different .The relay keeps on changing its status till the power is removed.

3.CYCLIC ON/OFF {ON START (Sym, Asym)} []

This function is quite similar to the function "b" but Initially he relay is ON for period T-ON after the power

4.SIGNAL ON/OFF [d]

The output relay is turned ON for preset Time (T) When ever the signal (S) is applied or removed .(Refer Note