TECHNICAL SPECIFIC	CATIONS:			ELECTRONIC TIMER - SERIES MICON™225	
Cat. No.:		23UDT0	27UDT0	PDOW/NOUT TIMED	
SUPPLY CHARACTER	ISTICS:		I	BROWNOOT TIMER	
Supply Voltage 📫		110 VAC	240 VAC	Cat. No.:	
Supply Variation		-40 % to +10 % of 中		2211070	
Frequency		50 to 60 Hz, (± 3 Hz)	50 Hz (± 3 Hz)	230D10 27UDT0	
Power Consumption (Max.))	2 VA	4 VA		
Trip Voltage		88 VAC ± 6 VAC	168 VAC ± 6 VAC	()	
Recovery Voltage		96 VAC ± 4 VAC	184 VAC ± 4 VAC		
Response time Voltage Inte	erruption	10 ms ~ 18 ms			
Response time to Voltage D	Dips	> 13 ms to < 34 ms	> 13 ms to < 34 ms		
	Healthy	Green LED ON			
	Un-Healthy	Green LED Flashing Slow		FEATURES.	
	Run-Time	Green LED Flashing Fast		TEATORES.	
	Relay ON	Yellow LED ON	Red LED ON	1. Detects Voltage dips/Momentary loss of supply and	
RELAY O/P CHARACT	ERISTICS:			resets the control panel.	
Contact Arrangement		1 C/O		3. LED indications for Healthy & Unhealthy conditions.	
Contact Rating (Resistive L	.oad)	5A (Res.) @ 240 V AC/28 VDC		4. Excellent Noise Immunity.	
Contact Material		Ag-Alloy	Ag-Alloy		
Electrical Life		0.1 million			
Mechanical Life		1 million			
FEATURE CHARACTER	RISTICS:			CAUTION:	
Setting Accuracy		+/- 5% of full scale			
Repeat Accuracy		+/- 1%		1. Always follow the instructions stated in this product	
Utilization Category (AC-15)		Rated Voltage (Ue): 240VAC / 125 VAC	2, Rated Current (Ie): 1.3 A / 2.5 A	leaflet.	
Delay Timing (Td)		0.3 s to 30 s		specifications agree with the intended application.	
Delay Timing (Td)					
Delay Timing (Td) Mounting		Base / DIN-Rail		3.Installation to be done by skilled electrician.	
Delay Timing (Td) Mounting Dimensions (W X H X D)		Base / DIN-Rail 22.5 x 75x 100.5 (in mm)		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	
Delay Timing (Td) Mounting Dimensions (W X H X D) Weight (Unpacked)		Base / DIN-Rail 22.5 x 75x 100.5 (in mm) 100 gms.		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.	
Delay Timing (Td) Mounting Dimensions (W X H X D) Weight (Unpacked) Relative Humidity		Base / DIN-Rail 22.5 x 75x 100.5 (in mm) 100 gms. 80 % (Rh) Non Condensing		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.Suitable dampers should be provided in case of excessive vibrations	
Delay Timing (Td) Mounting Dimensions (W X H X D) Weight (Unpacked) Relative Humidity Operating Temperature		Base / DIN-Rail 22.5 x 75x 100.5 (in mm) 100 gms. 80 % (Rh) Non Condensing -10° C to + 55° C		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.Suitable dampers should be provided in case of excessive vibrations. 6.Use of 250 mA fuse in series with product supply is	
Delay Timing (Td) Mounting Dimensions (W X H X D) Weight (Unpacked) Relative Humidity Operating Temperature Storage Temperature		Base / DIN-Rail 22.5 x 75x 100.5 (in mm) 100 gms. 80 % (Rh) Non Condensing -10° C to + 55° C -10° C to + 60° C		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.Suitable dampers should be provided in case of excessive vibrations. 6.Use of 250 mA fuse in series with product supply is recommended, for protection.	
Delay Timing (Td) Mounting Dimensions (W X H X D) Weight (Unpacked) Relative Humidity Operating Temperature Storage Temperature Max. Operating Altitude		Base / DIN-Rail 22.5 x 75x 100.5 (in mm) 100 gms. 80 % (Rh) Non Condensing -10° C to + 55° C -10° C to + 60° C 2000 m		 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.Suitable dampers should be provided in case of excessive vibrations. 6.Use of 250 mA fuse in series with product supply is recommended, for protection. 7.The timers shall be placed in an enclosure that is minimum 200% of the size of the timer in the 	
Delay Timing (Td) Mounting Dimensions (W X H X D) Weight (Unpacked) Relative Humidity Operating Temperature Storage Temperature Max. Operating Altitude Housing		Base / DIN-Rail 22.5 x 75x 100.5 (in mm) 100 gms. 80 % (Rh) Non Condensing -10° C to + 55° C -10° C to + 60° C 2000 m Flame retardant (UL 94-V0)		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.Suitable dampers should be provided in case of excessive vibrations. 6.Use of 250 mA fuse in series with product supply is recommended, for protection. 7.The timers shall be placed in an enclosure that is minimum 200% of the size of the timer in the end use application.	
Delay Timing (Td) Mounting Dimensions (W X H X D) Weight (Unpacked) Relative Humidity Operating Temperature Storage Temperature Max. Operating Altitude Housing Degree & Protection		Base / DIN-Rail 22.5 x 75x 100.5 (in mm) 100 gms. 80 % (Rh) Non Condensing -10° C to + 55° C -10° C to + 60° C 2000 m Flame retardant (UL 94-V0) IP - 20 for Terminal, IP - 40 for Housir		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.Suitable dampers should be provided in case of excessive vibrations. 6.Use of 250 mA fuse in series with product supply is recommended, for protection. 7.The timers shall be placed in an enclosure that is minimum 200% of the size of the timer in the end use application. 8.Setting of all potentiometers must be done in the	
Delay Timing (Td) Mounting Dimensions (W X H X D) Weight (Unpacked) Relative Humidity Operating Temperature Storage Temperature Max. Operating Altitude Housing Degree & Protection Pollution Degree		Base / DIN-Rail 22.5 x 75x 100.5 (in mm) 100 gms. 80 % (Rh) Non Condensing -10° C to + 55° C -10° C to + 60° C 2000 m Flame retardant (UL 94-V0) IP - 20 for Terminal, IP - 40 for Housir II		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.Suitable dampers should be provided in case of excessive vibrations. 6.Use of 250 mA fuse in series with product supply is recommended, for protection. 7.The timers shall be placed in an enclosure that is minimum 200% of the size of the timer in the end use application. 8.Setting of all potentiometers must be done in the clockwise direction only.	
Delay Timing (Td) Mounting Dimensions (W X H X D) Weight (Unpacked) Relative Humidity Operating Temperature Storage Temperature Max. Operating Altitude Housing Degree & Protection Pollution Degree Type of Insulation		Base / DIN-Rail 22.5 x 75x 100.5 (in mm) 100 gms. 80 % (Rh) Non Condensing -10° C to + 55° C -10° C to + 60° C 2000 m Flame retardant (UL 94-V0) IP - 20 for Terminal, IP - 40 for Housir II Reinforced		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.Suitable dampers should be provided in case of excessive vibrations. 6.Use of 250 mA fuse in series with product supply is recommended, for protection. 7.The timers shall be placed in an enclosure that is minimum 200% of the size of the timer in the end use application. 8.Setting of all potentiometers must be done in the clockwise direction only. NOTE:	
Delay Timing (Td) Mounting Dimensions (W X H X D) Weight (Unpacked) Relative Humidity Operating Temperature Storage Temperature Max. Operating Altitude Housing Degree & Protection Pollution Degree Type of Insulation Operating Positions		Base / DIN-Rail 22.5 x 75x 100.5 (in mm) 100 gms. 80 % (Rh) Non Condensing -10° C to + 55° C -10° C to + 60° C 2000 m Flame retardant (UL 94-V0) IP - 20 for Terminal, IP - 40 for Housir II Reinforced Any	I <u>g</u> .	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.Suitable dampers should be provided in case of excessive vibrations. 6.Use of 250 mA fuse in series with product supply is recommended, for protection. 7.The timers shall be placed in an enclosure that is minimum 200% of the size of the timer in the end use application. 8.Setting of all potentiometers must be done in the clockwise direction only. NOTE: Product innovation being a continuous process, we	
Delay Timing (Td) Mounting Dimensions (W X H X D) Weight (Unpacked) Relative Humidity Operating Temperature Storage Temperature Max. Operating Altitude Housing Degree & Protection Pollution Degree Type of Insulation Operating Positions Certifications		Base / DIN-Rail 22.5 x 75x 100.5 (in mm) 100 gms. 80 % (Rh) Non Condensing -10° C to + 55° C -10° C to + 60° C 2000 m Flame retardant (UL 94-V0) IP - 20 for Terminal, IP - 40 for Housir II Reinforced Any CE, ROHS	I <u>g</u> .	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.Suitable dampers should be provided in case of excessive vibrations. 6.Use of 250 mA fuse in series with product supply is recommended, for protection. 7.The timers shall be placed in an enclosure that is minimum 200% of the size of the timer in the end use application. 8.Setting of all potentiometers must be done in the clockwise direction only. NOTE: Product innovation being a continuous process, we reserve the right to alter specifications without any	
Delay Timing (Td) Mounting Dimensions (W X H X D) Weight (Unpacked) Relative Humidity Operating Temperature Storage Temperature Max. Operating Altitude Housing Degree & Protection Pollution Degree Type of Insulation Operating Positions Certifications Initiate Time		Base / DIN-Rail 22.5 x 75x 100.5 (in mm) 100 gms. 80 % (Rh) Non Condensing -10° C to + 55° C -10° C to + 60° C 2000 m Flame retardant (UL 94-V0) IP - 20 for Terminal, IP - 40 for Housir II Reinforced Any CE, RoHS < 200 ms	Ig.	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.Suitable dampers should be provided in case of excessive vibrations. 6.Use of 250 mA fuse in series with product supply is recommended, for protection. 7.The timers shall be placed in an enclosure that is minimum 200% of the size of the timer in the end use application. 8.Setting of all potentiometers must be done in the clockwise direction only. NOTE: Product innovation being a continuous process, we reserve the right to alter specifications without any prior notice.	
Delay Timing (Td) Mounting Dimensions (W X H X D) Weight (Unpacked) Relative Humidity Operating Temperature Storage Temperature Max. Operating Altitude Housing Degree & Protection Pollution Degree Type of Insulation Operating Positions Certifications Initiate Time Reset Time		Base / DIN-Rail 22.5 x 75x 100.5 (in mm) 100 gms. 80 % (Rh) Non Condensing -10° C to + 55° C -10° C to + 60° C 2000 m Flame retardant (UL 94-V0) IP - 20 for Terminal, IP - 40 for Housir II Reinforced Any CE, RoHS < 200 ms	ـــــــــــــــــــــــــــــــــــــ	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.Suitable dampers should be provided in case of excessive vibrations. 6.Use of 250 mA fuse in series with product supply is recommended, for protection. 7.The timers shall be placed in an enclosure that is minimum 200% of the size of the timer in the end use application. 8.Setting of all potentiometers must be done in the clockwise direction only. NOTE: Product innovation being a continuous process, we reserve the right to alter specifications without any prior notice.	

ELECTRONIC TIMER - SERIES MICON™ 225 BROWNOUT TIMER

Series 225 Brownout Timer is manufactured to a high degree of precision & accuracy.

This unit senses the Voltage dips & momentary loss of supply. It combines the functions of a very fast response under-voltage relay & a 'On Delay Timer'. It has been specially developed to initiate a control panel reset following a supply 'Brown-Out or momentary supply interruptions' & Dips thus reducing down time & engineer call outs. The unit will respond to any supply interruption or dips which may cause a conventional electro-mechanical relay or contactor to release. Only after a healthy supply has been restored for the set time period, the output will change contact state allowing the Electro-mechanical apparatus to be reset or re-started.

Electro-mechanical relays or contactors used in control panels tend to release due to >13 to <34ms of voltage sags to less than 75% of nominal supply voltage level, but control equipments remain energized & synchronization is lost. This results in the malfunctioning in the logic of control action. Hence, to solve this problem, its required to reset and restart the control system.

It helps to reset main supply contactor of a control panel after detecting any brownout fault that may cause a contactor to release.

This unit can be operated in following modes : 1) MODE A (ON DELAY):

Whenever Supply Voltage greater than the Recovery Voltage is applied, the relay will energize after set time. If there is a supply interruption of >10 ms or under voltage for >13 to <34ms, the relay will de-energize & commence **Overall product dimensions and mounting details :** timing again when supply voltage is restored.

2) MODE B (INTERVAL) :

Whenever Supply Voltage greater than the Recovery Voltage is applied, it will take fixed 2s delay after which the relay will energize for the set time & then de-energize. The relay will remain de-energized until power is re-cycled, or if there is a supply interruption of >10 ms or under voltage for >13 to <34 ms. On restoration of healthy supply voltage, the relay will take fixed 2s delay & then relay will energize for the set time.

3) MODE C (PULSE) :

Whenever Supply Voltage greater than the Recovery Voltage is applied, the relay will energize after set delay time for 500ms (Pulse On) & then de-energize. Then If there is a supply interruption of >10 ms or under voltage for >13 to <34 ms the timer will be reset, on restoration of Supply Voltage the timer will commence another set delay time after which the relay will energies for 500ms.

MODE AND DELAY TIMING SELECTION:

Mode can be selected by using 'Mode' knob on front panel of the unit.

Time can also be selected by using 'Delay Time' knob on front panel of the unit.

TERMINAL DETAILS:





CONNECTION DIAGRAM:





INSTALLATION:

- A) Base Mounting : Timer should be mounted on a plain surface using two M4 screws. B) DIN - Rail Mounting : The Timer should be mounted on
- 35 mm symmetrical DIN Rail.

Functional Diagram:



EMI / EMC:	
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 (2004-3) Performance Criteria B
Conducted Emission	CISPR 14-1 Ed. 5.0 (2005 -11) Class A
Radiated Emission	CISPR 14-1 Ed. 5.0 (2005-11) Class A
Safety:	
Test Voltage between I/P and O/P	IEC 60947-5-1 Ed.3.0 (2003-11) 1.5 kv
Test Voltage between all terminals and enclosure	IEC 60947-5-1 Ed.3.0 (2003-11) 1.5 kv
Impulse Voltage between I/P and o/p	IEC 60947-5-1 Ed.3.0 (2003-11) 1.5 Kv
Single Fault	IEC 61010-1 Ed.2.0 (2001-02)
Insulation Resistance	UL 508 Ed.17 (1999-01) > 50 k Ω
Leakage Current	UL 508 Ed.17 (1999-01) < 3.5 mA
Product	IEC 61812-1 Ed.1.0 (1996-10)
Environmental:	
Cold Heat	IEC 60068-2-1 Ed.6.0 (2007-03)
Dry Heat	IEC 60068-2-2 Ed.5.0 (2007-07)
Repetitive Shock	IEC 60068-2-27 Ed.4.0 (2008-02), 15 - 20 g, 6 ms
Non-Repetitive Shock	IEC 60068-2-27 Ed.4.0 (2008-02), 30 g, 15 ms

TECHNICAL SP	PECIFICATIONS:									ELECTRON	IC TIMER - S	ERIES	MICON™175
Catalogs		17UDT0	17UDT1	13UDT0	13UDT1	1FUDTOF 1GUDTOF	1FUDT1F 1GUDT1	F 1FUDT2F 1	GUDT2F			TIMED	
SUPPLY CHAR	ACTERISTICS:							•			BROWNOUT	TIMER	
Supply Voltage	e	220 / 240	OV AC	110V AC		110V AC					Catalo	gs	
Frequency		50 Hz		60 Hz		50 Hz 60 Hz	50 Hz 60 Hz	50 Hz 6	50 Hz	1311070	13110	T1	
Power Consum	nption (Max.)	10 VA MA	λX.	4 VA MA	Х.	4 VA MAX.				170010		T1	1600126
Trip Voltage		170 V ±5	5 V	88 V ±5 V		88 V ±5 V				150010		T1E	IGODIZF
Recovery Voltage 182 V ±		182 V ±5	5 V	94 V ±5 V		94 V ±5 V				160010)F 1600	T1E	
Response time	e for voitage uip	11 to 191	ns Teterrel	11 to 17	ms Teterrel		Dulas	0.4 to 5 m	IS	IGODIC		, , , , ,	
Modes Of Oper	ration	On Delay	Interval	On Delay	Interval	(normally energized relay)	(Momentary ON)	Interval (normally De-energiz relay)	zed	CE	RoHS	X	₹
Initiate Time		100 ms N	lax.								.		
LED	Green LED ON	POWER C	ON							1. Supply №	lonitoring (l	Jnder V	oltage).
Indications Red LED ON RELAY ON				Remains ON when DIP or Interruption Starts till the ON delay gets completed				 2. Low Power Consumption. 3. Four functional mode options: On Delay, Interval, Momentary ON & 			ns: ary ON &		
	Red LED OFF	Unhealth	y Conditio	n (UV/Inte	erruption)	Healthy Condition				Delayed	Interval		
RELAY O/P CH	ARACTERISTICS:									4. Fast Response Time.			
Contact Arrang	gement	1 C/O								5. Compact	Size.		
Contact Rating	(Resistive Load)	5A (Res.)) @ 240 V	AC/28 VD	C					CAUTION	C •		
Utilization Cate	egory (AC-15)	Rated Vo	ltage (Ue)	: 240VAC	/ 125 VAC	C, Rated Current (ie):	1.3 A / 2.5 A			CAUTION	5.		
Contact Materi	ial	AgNi								1. Always fo	llow the instr	uctions	stated in this
Electrical Life		1 x 10 ⁵ C	perations							2 Refere inc	eaflet.	ock to o	neuro that the
FEATURE CHAP	RACTERISTICS:						<u></u>			2. Derure ins	one agree w	ith tha i	intended
Setting Accura	СУ	$\pm 10\% a$	t 30 s, ±2	0%@0	3 S.	± 10 % at 30 s, ± 20	% @ 3 S.			applicatio	n.		intended
		±1%	20.							3. Installatio	n to be done	bv skil	led electrician.
Delay Timing ((1)	0.3 s to 30 s			<u> </u>	3 s to 30 s 2 sec (±1sec)			.sec)	4. Automatic	on & Control	devices	must be
Pulse / Interva	al lime	NA	Same as Delay Timing(T)	Same as NA Same as NA 0.5 sec 3 s to 30 s properly installed so that they are protected against any risk of involuntary actuations. T) Timing(T) Timing(T) Timing(T) Timing(T) Timing(T)									
Mounting		Base / Di	n-Rail							of every	sive vibration	s s	
Dimensions (\	WXHXD)	17.5 x 58	3.5 x 90 (i	n mm)						6. Use of 15	0 mA fuse in	series	with product
Weight (Packe	d)	75 g App	rox.							supply is	recommende	ed, for p	protection.
Relative Humic	elative Humidity 5 to 80% (Rh) Non-Condensing 7. The timers shall be placed in an enclose							an enclosure					
Operating Tem	nperature -10° C to + 55° C that is minimum 200% of the size of th							e size of the					
Storage Tempe	erature	-15° C to + 60° C timer in the end use application.							on.				
Hax. Operating	g Altitude	2000 m 8.						8. Setting of	all potention	neters ı	must be done		
Degree & Prote	ection	Flame retardant (UL 94-VU) in the clockwise direction only.						/.					
Pollution Dear	<u>-</u> ее	IF - 2010		1, 17 - 40	IOI HOUSIN	y.							
Type of Insulat	Type of Insulation Device II												
Operating Pos	itions	Anv	cu										
Certifications CE, RoHS 1LL					1LL010_08								
NOTE: Product ir	nnovation being a cont	tinuous proce	ess, we reser	ve the right	to alter speci	fications.			/				

ELECTRONIC TIMER - SERIES MICON™ 175 BROWNOUT TIMER

Series 175 Brownout Timers are used to initiate a control panel supply reset following a supply brownout or microinterruption. The unit is basically an undervoltage relay. The unit will respond to voltage dips of duration which may cause an electro-mechanical relay or contactor used in panels to release. Only after a healthy supply has been restored for a set time period, the output will energize allowing the Electro-mechanical relay / contactor to be reset or re-started. These products can be operated in following modes:

1) ON DELAY MODE (Normally Energized Relay Mode A): Refer Fig. 1 & 2

In this mode, when the device is powered ON, under healthy supply conditions, product relay will get energized after the set time delay T and will remain ON. If there is a dip or Interruption for specified duration, the relay will de-energize & commence timing T again when healthy supply voltage is restored.

Relay will remain energized after this delay.

2) INTERVAL MODE (Normally De-Energized Relay Mode B), for slow brown out timer Refer: Fig. 1

In this mode, when the device is powered ON under healthy supply conditions, relay will get energized after the set time delay T and it will remain ON for Set time T then will de-energize.

If there is a dip or Interruption for specified duration, the relay will get energized after commence timing T after supply voltage is restored and remains energized for set time T.

Relay will remain de-energized after this delay. 3) Pulse (Momentary Mode C): Refer Fig. 2

In this mode, when the device is powered ON under healthy supply conditions, relay will get energized after the set time delay T and it will remain ON only for fixed time 0.5 second.

If there is a dip or interruption for specified duration, the relay will de-energize & commence timing T again when healthy supply voltage is restored.

Relay will remain de-energized after this delay.

4)Delayed Interval MODE(Normally De-Energized Relay Mode), for fast brown out timer : Refer Fig. 3

In this mode, when the device is power ON under healthy supply conditions, relay will energize after fixed time 2 sec (\pm 1sec) of "recovery delay" (t1) and remain ON for set time "t2" and then relay will become OFF.

If there is a dip or interruption for specified duration, the and supply recovers, relay will get energized after fixed time 2 sec (\pm 1sec) of recovery delay(t1) and remain ON for set time "t2" and then relay will become OFF.

Relay will remain de-energized after this delay.

DELAY TIMING SELECTION:

Timing range can be selected by using `Time Setting T' knob on front panel of the unit.

CONNECTION DIAGRAM:



TERMINAL DETAILS:

Ø45.0mm Combi Head Bit./Flat	0.5 N.m (4.4lb.in) to 0.7N.m (6.2lb.in)
	2 x 2.5 mm ² Solid / Standard Wire
AWG	20 to 12

Use Cu wire of 75°C only.

AWG	CURRENT (A)	
12	4.38	
14	3.75	
16	3.13	
18	2.50	
20	1.88	

Overall Product Dimensions & Mounting Details :



Installation

 Base Mounting : Pull the DIN clips halfway out. Mount the timer on plain surface by using two M4 screws in the holes provided on clips.
 DIN-Rail Mounting : The Timer should be mounted on 35 mm symmetrical DIN Rail.



Figure 3

Note: When Delay Timing or Pulse/Interval Timing is in progress and specified dip or interrupt comes during this, the device will get reset to initial condition as on power ON condition. This is applicable for all CAT IDs.

EMI / EMC:					
Product	IEC 61812-1				
ESD	IEC 61000-4-2, Level II				
Radiated Susceptibility	IEC 61000-4-3, Level III				
Electrical Fast Transient	IEC 61000-4-4, Level IV				
Surge	IEC 61000-4-5, Level III				
Conducted Susceptibility	IEC 61000-4-6, Level III				
Voltage Dips & Interruptions (AC)	IEC 61000-4-11, All seven levels				
Conducted Emission	CISPR 14-1, Class A				
Radiated Emission	CISPR 14-1, Class A				
Safety:					
Test Voltage between I/P and O/P	IEC 61812-1				
Test Voltage between all terminals and enclosure	IEC 61812-1				
Impulse Voltage between I/P and o/p	IEC 61812-1				
Single Fault	IEC 61010-1				
Insulation Resistance	UL 508 , > 50 kΩ				
Leakage Current	UL 508 , < 3.5mA				
Environmental:					
Cold Heat	IEC 60068-2-1				
Dry Heat	IEC 60068-2-2				
Repetitive Shock	IEC 60068-2-27, 40g, 6ms				
Non-Repetitive Shock	IEC 60068-2-27, 30g, 15ms				
Vibration	IEC 60068-2-6 , 10 to 55Hz				
	1LL010 08				