

Magnecraft Time Delay and Sensor Relays

TDR88867 Series
SPDT, DPDT, 8 A



Description

The TDR88867 socket-compatible time delay relays offer the following features:

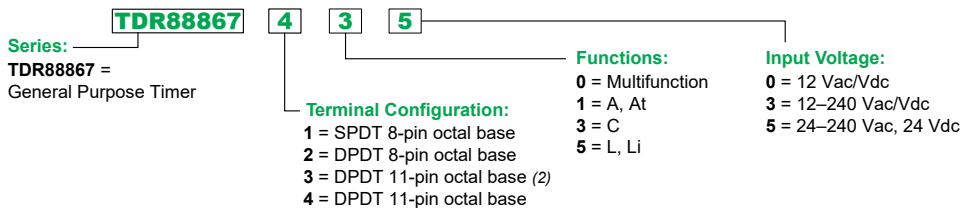
- 35 mm width
- single, dual, or multifunction capability
- easy installation by plugging into standard 8- or 11-pin octal sockets
- 1 or 2 relay outputs capable of switching up to 8 A, for ultimate flexibility
- a single LED with multiple states to clearly indicate the time state at a glance

This excellent feature set makes the TDR88867 an ideal choice in a variety of industrial control applications.

Feature	Benefit
Integrated rotary switch	Simplifies the programming of the functions and timing
LED indication	Displays the state of the timer
Removable knob	Resists tampering
Socket compatible	Allows for easy installation and replacement

Input Voltage	Functions Available (1)	Timing Range	Contact Configuration	Rated Current	Standard Part Number
11-pin Octal Base					
24–240 Vac 24 Vdc	C	0.1 s to 100 hr	DPDT	8 A	TDR88867435
	A, At	0.1 s to 100 hr	DPDT	8 A	TDR88867415
	L, Li	0.1 s to 100 hr	DPDT	8 A	TDR88867455
	A, At, B, C, H, Ht, Di, D, Ac, Bw	0.1 s to 100 hr	DPDT (2)	8 A	TDR88867305
12 Vac/Vdc	A, At, B, C, H, Ht, Di, D, Ac, Bw	0.1 s to 100 hr	DPDT (2)	8 A	TDR88867300
12–240 Vac/Vdc	A, At, B, C, H, Ht, Di, D, Ac, Bw	0.1 s to 100 hr	DPDT (2)	8 A	TDR88867303
8-pin Octal Base					
24–240 Vac 24 Vdc	A	0.1 s to 100 hr	DPDT	8 A	TDR88867215
	C	0.1 s to 100 hr	SPDT	8 A	TDR88867135
	L, Li	0.1 s to 100 hr	SPDT	8 A	TDR88867155
	A, At, B, C, H, Ht, Di, D, Ac, Bw	0.1 s to 100 hr	SPDT	8 A	TDR88867105
12 Vac/Vdc	A, At, B, C, H, Ht, Di, D, Ac, Bw	0.1 s to 100 hr	SPDT	8 A	TDR88867100
12–240 Vac/Vdc	A, At, B, C, H, Ht, Di, D, Ac, Bw	0.1 s to 100 hr	SPDT	8 A	TDR88867103

Part Number Explanation






(1) For function descriptions, see pages 34–35.

(2) One of the outputs can be configured to be either timed or instantaneous.

Magnecraft Time Delay and Sensor Relays

TDR88867 Series
SPDT, DPDT, 8 A

Specifications

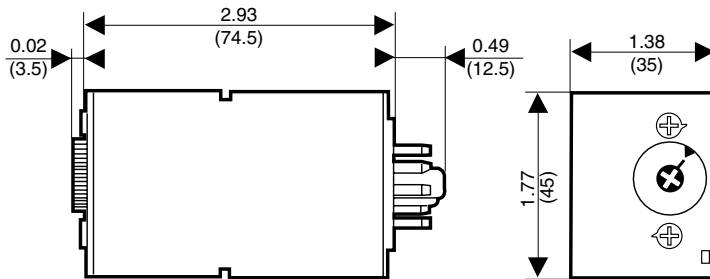
Part Number	TDR88867**0	TDR88867**3	TDR88867**5
Input Characteristics			
Input Voltage Range	12 Vac/Vdc	12–240 Vac/Vdc	24–240 Vac 24 Vdc
Operating Voltage	85–110% of nominal (85–120% of nominal for 12 Vac/Vdc)		
Maximum Power Consumption	AC	4.2 VA @ 240 Vac	
	DC	1.5 W @ 240 Vdc	
Output Characteristics			
Contact Configuration	SPDT, DPDT		
Output Current Rating	8 A		
Contact Material	Silver alloy		
Maximum Switching Voltage	250 Vac/Vdc		
Switching Capabilities	8 A, 250 Vac 1/3 hp @ 240 Vac		
Minimum Switching Requirement	10 mA at 5 Vdc		
Timing Characteristics			
Functions Available (1)	Multifunction		
Time Scales	7		
Time Ranges	0.1–1 s 1–10 s 0.1–1 min 1–10 min 0.1–1 hr 1–10 hr 10–100 hr		
Minimum Duration of the Control Impulse under Load	100 ms		
Maximum Reset Time by De-energization	100 ms		
Repeatability at Constant Voltage and Temperature	± 0.5%		
Temperature Drift	±0.05% / °C		
Voltage Drift	±0.2% / V		
General Characteristics			
Electrical Life (Operations at Rated Current) (2)	100,000 operations		
Mechanical Life (Unpowered) (2)	5,000,000 operations		
Dielectric Strength	Input to Contacts	2.5 kV (1 mA / 1 minute) at 50 Hz	
	Between Open Contacts	2.5 kV (1 mA / 1 minute) at 50 Hz	
Temperature Range	Storage	–22 to 140 °F (–30 to 60 °C)	
	Operation	–4 to 140 °F (–20 to 60 °C)	
Weight	2.8 oz. (0.08 kg)		
Green LED Indication	Operating status indication  Pulsing: relay de-energized, no timing in progress (except Di-D and Li-L)  Flashing: timing in progress  Steady On: relay energized, no timing in progress		
Degree of Protection (Enclosure)	IP40		
Approvals	cURus (File: E191122 CNN: NRNT2, NRNT8), CSA (File: 254373 Class: 3211 07)		

(1) For function descriptions, see pages 34–35.

(2) Actual product life varies based on electrical load, duty cycle, application, and environmental conditions.

Dimensions—in. (mm)

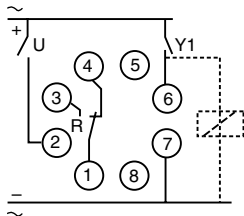
TDR88867 plug-in timers (relay output)



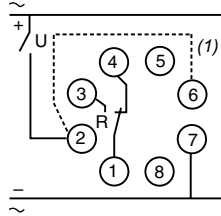
Wiring Diagrams

Wiring connection diagrams for TDR88867 plug-in timers (8-pin, relay output)

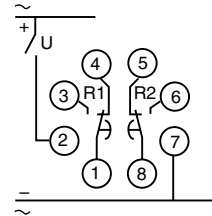
Timing relays with 1 relay output
All functions except L and Li



Functions L and Li



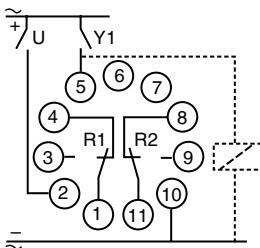
Timing relays with 2 relay outputs
Function A



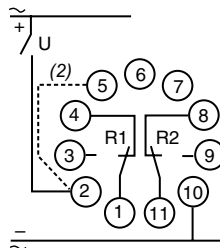
(1) Jumper between pins 2 and 6 for function L only

Wiring connection diagrams for TDR88867 plug-in timers (11-pin, relay output)

All functions except L and Li



Functions L and Li



(2) Jumper between pins 2 and 5 for function L only

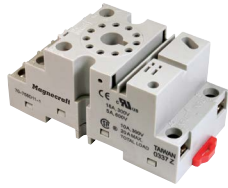
Magnecraft Time Delay and Sensor Relays

TDRPRO/TDR88867 Series Accessories



Description

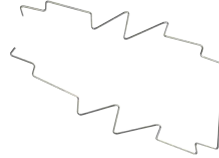
The TDR accessories create a complete system solution for your application needs. The 70-750DL socket offers an alternative installation option for plug-in models. The 16-TDRPROSC retention clip holds the relay securely in place while allowing quick and efficient installation and maintenance.



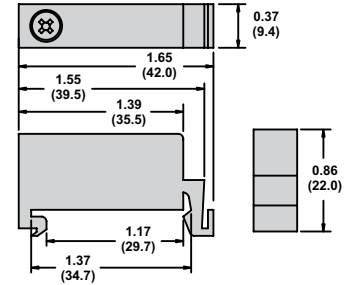
70-750DL8-1 Socket



70-750E8-1 Socket



16-TDRPROSC Retention Clip



16-DCLIP-1 DIN Rail End Clip

Relay Accessories

Description	Function	For Use With Relays	Packaging Quantities	Standard Part Number
Socket	Mounting directly to DIN Rail or Panel	TDRPRO-5101, TDRPRO-5102, TDR888673**, TDR888674**	10	70-750DL8-1
	Panel Mounting with Screw Terminals and Clamping Plates	TDRPRO-5101, TDR888671**, TDR888672**	10	70-169-1
	DIN or Panel Mounting with Elevator Terminals	TDRPRO-5101, TDR888671**, TDR888672**	10	70-750E8-1
	DIN or Panel Mounting with Screw Terminals and Clamping Plates	TDRPRO-5101, TDR888671**, TDR888672**	10	70-464-1
	Mounting directly to DIN Rail or Panel	TDRPRO-5100, TDR888673**, TDR888674**	10	70-750DL11-1
	DIN or Panel Mounting with Elevator Terminals	TDRPRO-5100, TDR888673**, TDR888674**	10	70-750E11-1
	DIN or Panel Mounting with Screw Terminals and Clamping Plates	TDRPRO-5100, TDR888673**, TDR888674**	10	70-465-1
	Panel Mounting with Screw Terminals and Clamping Plates	TDRPRO-5100, TDR888673**, TDR888674**	10	70-170-1
Metal Retention Clip	Helping secure the relay in the socket	TDRPRO	10	16-TDRPROSC
		TDR88867	25	16-1344

Socket Accessories

Description	Function	For Use With Sockets	Packaging Quantities	Standard Part Number
Metal DIN Rail, 1 m (39.3 in.)	Quick installation and removal of sockets	(See table above.)	10	16-700DIN
DIN Rail End Clip	Holding sockets firmly in place on DIN rail	—	10	16-DCLIP-1
ID Tags	Identification of circuits in multi-relay applications	70-750E8-1, 70-750EL8-1, 70-750DL8-1, 70-750E11-1, 70-750EL11, 70-750DL11-1	10	16-750/782FT-1
Insulated Coil Bus Jumper System	Wireless socket connection	70-750E8-1, 70-750EL8-1, 70-750DL8-1, 70-750E11-1, 70-750EL11, 70-750DL11-1	10	16-750/788CBJ-1

Magnecraft Time Delay and Sensor Relays

TDRPRO/TDR88867 Series Accessories

Specifications

Part Number	70-750DL8-1	70-750DL11-1	70-750E8-1	70-750E11-1
Contact Configuration	DPDT	3PDT	DPDT	3PDT
Number of Terminals	8	11	8	11
Mounting Style	Panel or DIN rail	Panel or DIN rail	Panel or DIN rail	Panel or DIN rail
Current Rating	16 A	5 A	12 A	12 A
Nominal Voltage Rating	300 V	600 V	600 V	300 V
Storage Temperature Range	-40 to +105 °C (-40 to +221 °F)	-40 to +105 °C (-40 to +221 °F)	-40 to +105 °C (-40 to +221 °F)	-40 to +105 °C (-40 to +221 °F)
Protection Category according to IEC 60529 IP rating (finger protection)	IP20	IP20	IP20	IP20
Internal Metal Tracks	Copper Alloy, Zinc Plated	Copper Alloy, Zinc Plated	Copper Alloy, Zinc Plated	Copper Alloy, Zinc Plated
Screw Terminals	Steel, Zinc Plated	Steel, Zinc Plated	Steel, Zinc Plated	Steel, Zinc Plated
Screw Style	Combination Head	Combination Head	Combination Head	Combination Head
Screw Size	M3.5 mm	M3.5 mm	M3.5 mm	M3.5 mm
Maximum Screw Torque	9 lb-in (1.0 N•m)	9 lb-in (1.0 N•m)	9 lb-in (1.0 N•m)	9 lb-in (1.0 N•m)
Terminal Connection	Screw Clamping	Screw Clamping	Elevator	Elevator
Terminal Layout	Logic	Logic	Non-Logic	Non-Logic
Maximum Wire Size	Solid or Stranded Cu: two 12–14 AWG (2.5–4 mm ²)	Solid or Stranded Cu: two 12–14 AWG (2.5–4 mm ²)	Solid or Stranded Cu: two 12–14 AWG (2.5–4 mm ²)	Solid or Stranded Cu: two 12–14 AWG (2.5–4 mm ²)
DIN Rail Mounting, EN 60715	35 mm (1.38 in)	35 mm (1.38 in)	35 mm (1.38 in)	35 mm (1.38 in)
Chassis Mounting Screw Torque	7 lb-in (0.8 N•m)	7 lb-in (0.8 N•m)	7 lb-in (0.8 N•m)	7 lb-in (0.8 N•m)
Flammability Rating	94V-0 Class	94V-0 Class	94V-0 Class	94V-0 Class
Body Color	Light Gray	Light Gray	Light Gray	Light Gray
DIN Locking Method	Red Plastic Locking Clip	Red Plastic Locking Clip	Red Plastic Locking Clip	Red Plastic Locking Clip
Agency Approvals	cURus (File: E70550, CCN: SWIV2, SWIV8), CSA (File: 40787, Class: 3211 07), CE 60947-1, RoHS	cURus (File: E70550, CCN: SWIV2, SWIV8), CSA (File: 40787, Class: 3211 07), CE 60947-1, RoHS	cURus (File: E70550, CCN: SWIV2, SWIV8), CSA (File: 40787, Class: 3211 07), CE 60947-1, RoHS	cURus (File: E70550, CCN: SWIV2, SWIV8), CSA (File: 40787, Class: 3211 07), CE 60947-1, RoHS

Part Number	70-169-1	70-170-1	70-464-1	70-465-1
Contact Configuration	DPDT	3PDT	DPDT	3PDT
Number of Terminals	8	11	8	11
Mounting Style	Panel	Panel	Panel or DIN rail	Panel or DIN rail
Current Rating	15 A	15 A	15/10 A	15/5 A
Nominal Voltage Rating	300 V	600 V	300/600 V	300/600 V
Temperature Storage Range	-40 to +105 °C (-40 to +221 °F)	-40 to +105 °C (-40 to +221 °F)	-40 to +105 °C (-40 to +221 °F)	-40 to +105 °C (-40 to +221 °F)
Internal Metal Tracks	Copper Alloy, Zinc Plated	Copper Alloy, Zinc Plated	Copper Alloy, Zinc Plated	Copper Alloy, Zinc Plated
Screw Terminals	Steel, Zinc Plated	Steel, Zinc Plated	Steel, Zinc Plated	Steel, Zinc Plated
Screw Style	Combination Head	Combination Head	Combination Head	Combination Head
Screw Size	M3.5 mm	M3.5 mm	M3.5 mm	M3.5 mm
Maximum Screw Torque	9 lb-in (1.0 N•m)	9 lb-in (1.0 N•m)	9 lb-in (1.0 N•m)	9 lb-in (1.0 N•m)
Terminal Connection	Screw Clamping	Screw Clamping	Screw Clamping	Screw Clamping
Terminal Layout	Non-Logic	Non-Logic	Non-Logic	Non-Logic
Maximum Wire Size	Solid or Stranded Cu: two 12–14 AWG (2.5–4 mm ²)	Solid or Stranded Cu: two 12–14 AWG (2.5–4 mm ²)	Solid or Stranded Cu: two 12–14 AWG (2.5–4 mm ²)	Solid or Stranded Cu: two 12–14 AWG (2.5–4 mm ²)
DIN Rail Mounting, EN 60715	35 mm (1.38 in)	35 mm (1.38 in)	35 mm (1.38 in)	35 mm (1.38 in)
Chassis Mount Screw Torque	7 lb-in (0.8 N•m)	7 lb-in (0.8 N•m)	7 lb-in (0.8 N•m)	7 lb-in (0.8 N•m)
Flammability Rating	94 V-0 Class	94 V-0 Class	94 V-0 Class	94 V-0 Class
Body Color	Light Gray	Light Gray	Light Gray	Light Gray
DIN Locking Method	–	–	Red Plastic Locking Clip	Red Plastic Locking Clip
Product Certifications	cURus (File: E70550, CCN: SWIV2, SWIV8), CSA (File: 40787, Class: 3211 07), CE 60947-1, RoHS			

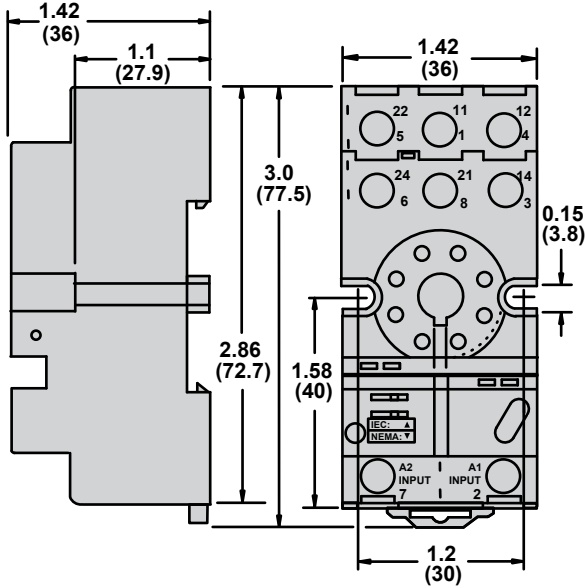
Magnecraft Time Delay and Sensor Relays

TDRPRO/TDR88867 Series Accessories

Dimensions—in. (mm)

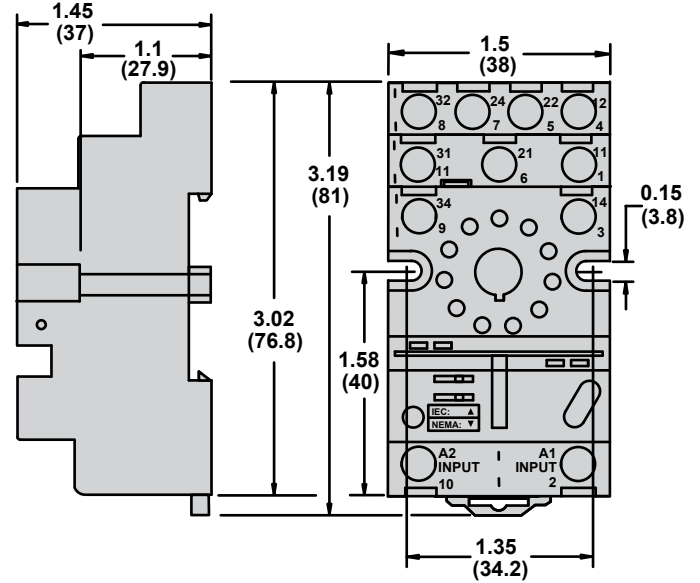
70-750DL8-1

Mounts Directly to the DIN Rail or Panel



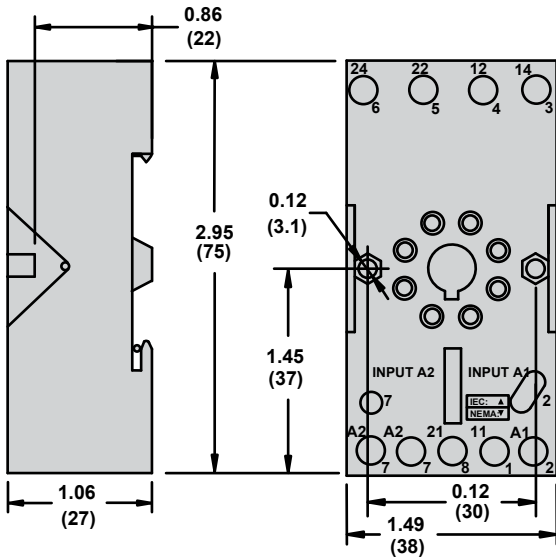
70-750DL11-1

Mounts Directly to the DIN Rail or Panel



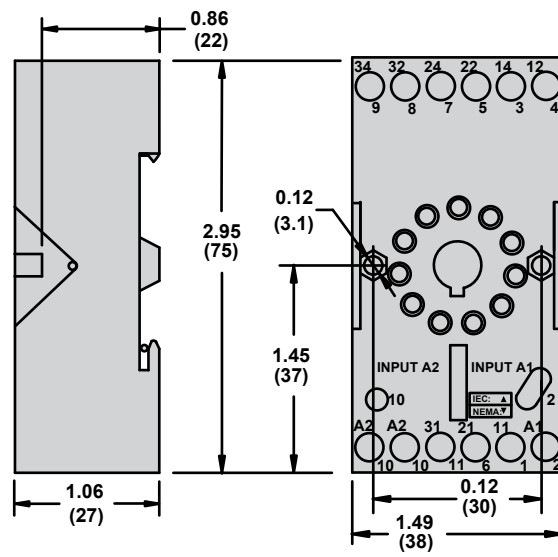
70-750E8-1

DIN or Panel Mounting with Elevator Terminals



70-750E11-1

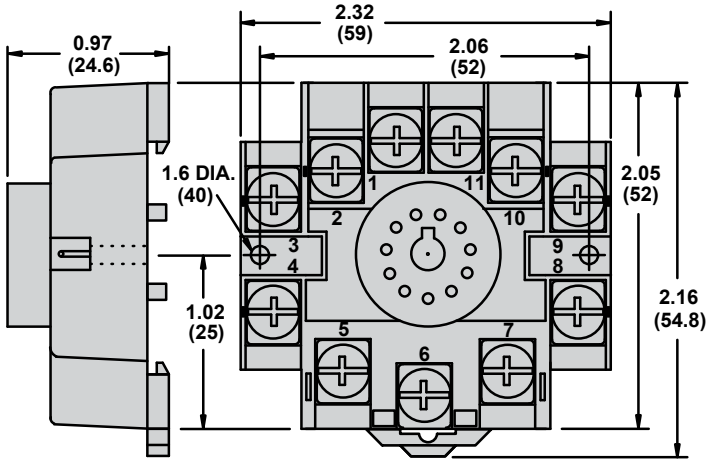
DIN or Panel Mounting with Elevator Terminals



Dimensions—in. (mm)

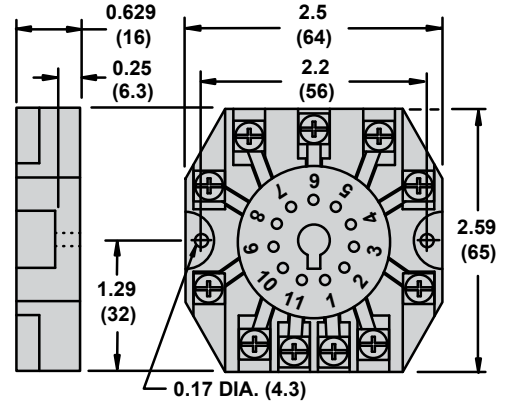
70-465-1

DIN Mounting with Screw Terminals and Clamping Plates



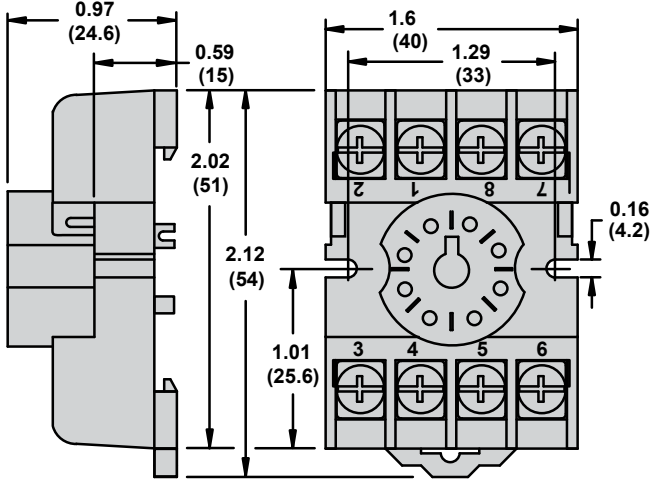
70-170-1

Panel Mounting with Screw Terminals and Clamping Plates



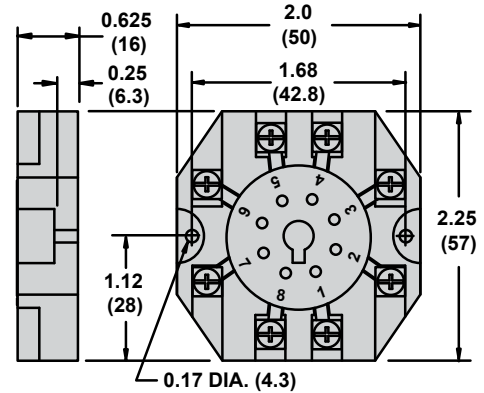
70-464-1

DIN Mounting with Screw Terminals and Clamping Plates



70-169-1

Panel Mounting with Screw Terminals and Clamping Plates

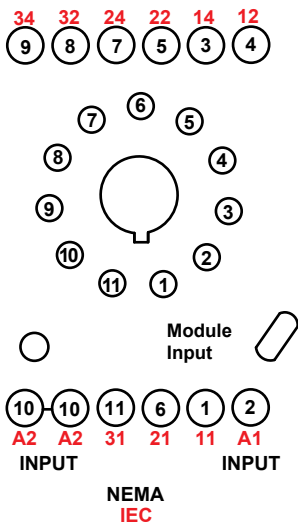


Magnecraft Time Delay and Sensor Relays

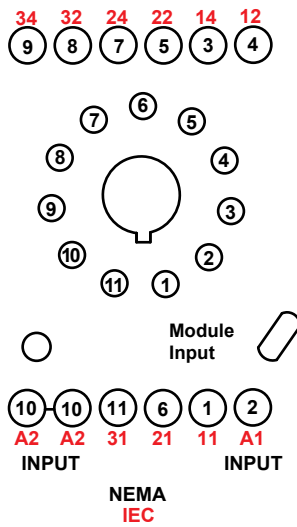
TDRPRO/TDR88867 Series Accessories

Wiring Diagrams

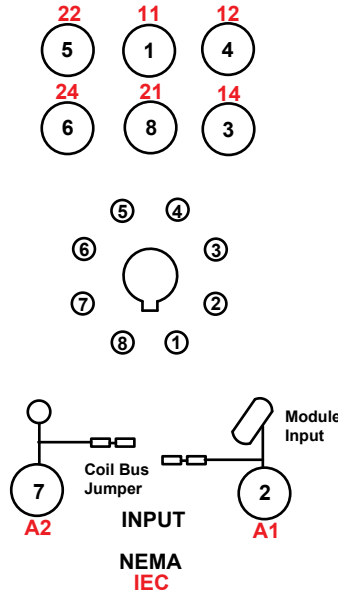
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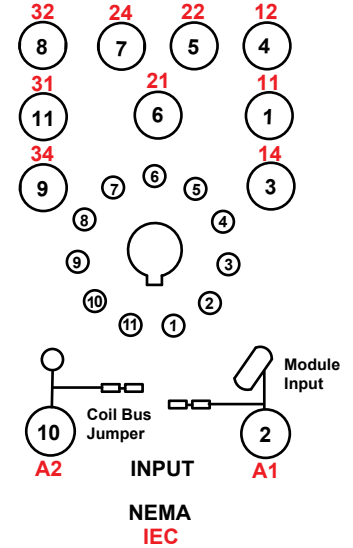
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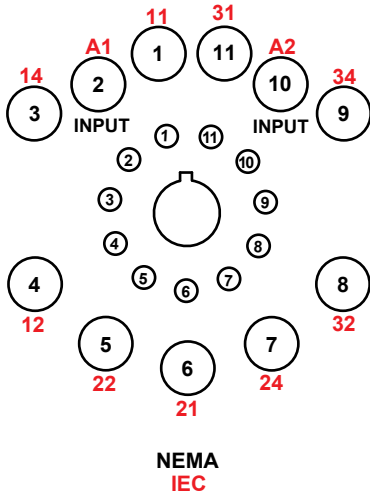
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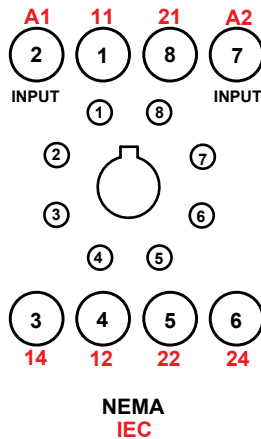
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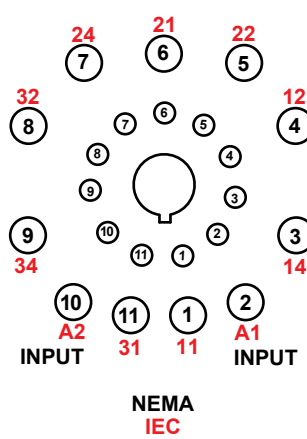
70-465-1



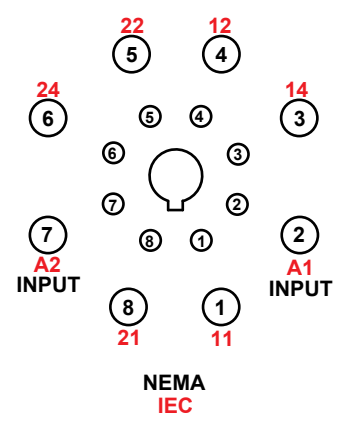
70-464-1



70-170-1



70-169-1



Magnecraft Time Delay and Sensor Relays

Definition

A time delay is a controlled period between the functioning of two events. A time delay relay combines an electromechanical output relay and a control circuit. The control circuit is composed of solid-state components that control the operation of the relay and the timing range.

Typical time delay functions include:

- On-Delay
- Repeat Cycle (Starting Off)
- Interval
- Off-Delay
- Retriggerable One-Shot
- Repeat Cycle (Starting On)
- Pulse Generator
- One-Shot
- On- and Off-Delay
- Memory Latch

Each function is explained in the tables on pages 34 and 35. Time delay relays offer a broad choice of timing ranges from less than one second to many days. There are many choices of timing adjustments from calibrated external knobs, DIP switches, thumb-wheel switches, or a recessed potentiometer.

Principle of Operation

Time delay relays are simply control relays with a time delay built in. Their purpose is to control an event based on time. The difference between relays and time delay relays is *when* the output contacts open and close:

- on a control relay, contacts change state when voltage is applied and removed from the coil
- on time delay relays, contacts change state before or after a pre-selected, timed interval

Typically, time delay relays are initiated or triggered by one of two methods:

- application of input voltage (On-Delay, Interval On, Flasher, Repeat Cycle, Delayed Interval, and Interval/Flasher)
- opening or closing of a trigger signal (Off-Delay, Single Shot, and Watchdog)

These trigger signals can be one of two designs:

- a control switch (dry contact)—for example, limit switch, push button, float switch
- voltage (commonly known as a power trigger)

Definitions:

Input Voltage: Control voltage applied to the input terminals (see the wiring diagrams on pages 34–35). Depending on the function, input voltage either initiates the unit or readies it to initiate when a trigger signal is applied.

Trigger Signal: On certain timing functions, a trigger signal initiates the unit after input voltage has been applied. As noted above, this trigger signal can either be a control switch (dry contact switch) or a power trigger (voltage).

Output (Load): A time delay relay has an internal relay (usually mechanical) with contacts that open and close to control the load. The contacts are represented by the dotted lines in the wiring diagrams.

NOTE: For the time delay relay to operate properly, voltage must be applied to power the load being switched by the relay's output contacts.

Time Delay Relay Functions (continued on page 35)

Function	Description	Timing Chart	Relays
On-Delay (A)	When the input voltage U is applied, time delay T begins. Relay contact(s) R change state after the time delay is complete. Contacts R return to their shelf state when input voltage U is removed. A trigger switch is not used in this function.		821, 822, TDR782, TDRPRO-5100, TDRPRO-5101, TDRPRO-5102, 831, 841
Power-On Delay (A)	The timing period T begins on energization. After timing, output(s) R close. When using a TDR88867*0* relay, the second output can be either timed or instantaneous (inst).		TDR88867
On-Delay and Off-Delay, with Control Signal (Ac)	After power-up and energization of Y1, timing period T starts. At the end of this timing period, output(s) R close. With de-energization of Y1, timing period T starts. At the end of timing period T, output(s) R revert to their initial position. When using a TDR88867*0* relay, the second output can be either timed or instantaneous.		TDR88867
Power-On Delay, with Summation Control Signal (At)	After power-up, the timing period T starts. Timing can be interrupted or paused each time Y1 energizes. When the cumulative total of the elapsed time periods reaches the pre-set value T, output(s) R close. When using a TDR88867*0* relay, the second output can be either timed or instantaneous.		TDR88867
Repeat Cycle: Starting Open (B)	When input voltage U is applied, time delay T begins. When time delay T is complete, relay contact(s) R change state for time delay T. This cycle repeats until input voltage U is removed. A trigger switch is not used in this function.		821, 822, TDRPRO-5100, TDRPRO-5101, TDRPRO-5102
Interval Relay, with Control Signal (B)	After power-up, pulsing or maintaining control contact Y1 starts timing period T. Outputs R close for the duration of timing period T, then revert to their initial state. When using a TDR88867*0* relay, the second output can be either timed or instantaneous.		TDR88867
Double Interval, with Control Signal (Bw)	After power-up, transition of Y1 (either from energization to de-energization or vice versa) causes output(s) R to close for the duration of timing period T, and then revert to their initial state. When using a TDR88867*0* relay, the second output can be either timed or instantaneous.		TDR88867
Interval (C)	When input voltage U is applied, relay contact(s) R change state immediately and the timing cycle begins. When time delay T is complete, contacts return to shelf state. When input voltage U is removed, contacts also return to their shelf state. A trigger switch is not used in this function.		821, 822, TDRPRO-5100, TDRPRO-5101, TDRPRO-5102
Off-Delay, with Control Signal (C)	After power-up and closing of the control contact Y1, output(s) R close. When control contact Y1 re-opens, timing T starts. At the end of the timing period, outputs R revert to their initial state. When using a TDR88867*0* relay, the second output can be either timed or instantaneous (inst).		TDR88867
Off-Delay, with Switch Trigger (D)	Input voltage U must be applied continuously. When trigger switch S is closed, relay contacts R change state. When trigger switch S is opened, delay T begins. When delay T is complete, contacts R return to their shelf state. If trigger switch S is closed before time delay T is complete, then time is reset. When trigger switch S is opened, the delay begins again, and relay contacts R remain in their energized state. If input voltage U is removed, then relay contacts R return to their shelf state.		821, 822, TDRPRO-5100, TDRPRO-5101, TDRPRO-5102
Symmetrical Flasher (Starting Pulse Off) (D)	Repetitive cycle with two timing periods T of equal duration, with output(s) R changing state at the end of each timing period T. When using a TDR88867*0* relay, the second output can be either timed or instantaneous.		TDR88867

(1) Option only available in TDR88867*0* relays.

Note: G = Gate. R = Relay contacts or outputs. S = Switch trigger. Y1 = Control contact. T = Time delay setting. U = Input voltage (power supply).

Time Delay Relay Functions (continued from page 34)

Function	Description	Timing Chart	Relays
Symmetrical Flasher (Starting Pulse On) (Di)	Repetitive cycle with two timing periods T of equal duration, with output(s) R changing state at the end of each timing period T. When using a TDR88867•0• relay, the second output can be either timed or instantaneous.		TDR88867
Retriggerable One-Shot with Switch Trigger (E)	Upon application of input voltage U, the relay is ready to accept trigger signal S. Upon application of trigger signal S, relay contacts R transfer, and preset time T begins. At the end of preset time T, relay contacts R return to their normal condition—unless trigger switch S is opened and closed before preset time T elapses. Continuous cycling of trigger switch S at a rate faster than preset time T causes relay contacts R to remain closed. If input voltage U is removed, relay contacts R return to their shelf state.		821, 822, TDRPRO-5100, TDRPRO-5101, TDRPRO-5102
Repeat Cycle: Starting Closed (F)	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 repeats until input voltage U is removed. A trigger switch is not used in this function.		821, 822, TDRPRO-5100, TDRPRO-5101
Pulse Generator (G)	Upon application of input voltage U, a single output pulse of 0.5 s is delivered to the relay after time delay T. Power must be removed and reapplied to repeat the pulse. A trigger switch is not used in this function.		821, 822, TDRPRO-5100, TDRPRO-5101
One-Shot with Switch Trigger (H)	Upon application of input voltage U, the relay is ready to accept trigger signal S. Upon application of trigger signal S, relay contacts R transfer, and preset time T begins. During time-out, trigger signal S is ignored. The relay is reset by applying trigger switch S when the relay is not energized.		821, 822, TDRPRO-5100, TDRPRO-5101
Interval Relay (H)	On energization of the relay, timing period T starts, and output(s) R close. At the end of timing period T, output(s) R revert to their initial state. When using a TDR88867•0• relay, the second output can either be timed or instantaneous.		TDR88867
Interval Relay (Summation) with Control Contact (Ht)	On power-up, output(s) R close and timing period T starts. The timing can be interrupted or paused each time Y1 energizes. When the cumulative total of the elapsed time periods reaches the preset value T, output(s) R revert to their initial state. When using a TDR88867•0• relay, the second output can either be timed or instantaneous.		TDR88867
On- and Off-Delay with Switch Trigger (I)	Input voltage U must be applied continuously. When trigger switch S is closed, time delay T begins. When time delay T is complete, relay contacts R change state and remain transferred until trigger switch S is opened. If input voltage U is removed, relay contacts R return to their shelf state.		821, 822, TDRPRO-5100, TDRPRO-5101
Memory Latch with Switch Trigger (J)	Input voltage U must be applied continuously. The output changes state with every closure of trigger switch S. If input voltage U is removed, relay contacts R return to their shelf state.		821, 822, TDRPRO-5100, TDRPRO-5101
Asymmetrical Flasher Relay (Starting Pulse Off) (L)	Repetitive cycle consisting of two independently adjustable timing periods Toff and Ton. Each timing period corresponds to a different state of the output(s) R.		TDR88867
Asymmetrical Flasher Relay (Starting Pulse On) (Li)	Repetitive cycle consisting of two independently adjustable timing periods Ton and Toff. Each timing period corresponds to a different state of the output(s) R.		TDR88867

(1) Option only available in TDR88867•0• relays.

Note: G = Gate. R = Relay contacts or outputs. S = Switch trigger. Y1 = Control contact. T = Time delay setting. U = Input voltage (power supply).