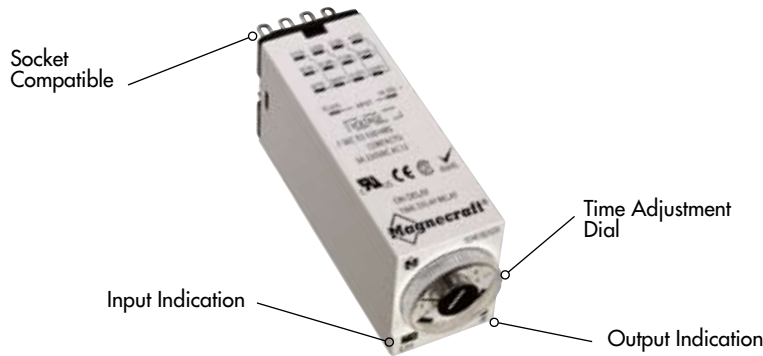


TDR782 Time Delay Relay/DPDT, 4PDT, 3 or 5 Amp Rating



UL Recognized
File No. E191122



General Specifications (@ 25°C) (UL 508)

Output Characteristics		Units	TDR782XBX	TDR782XDX
Number and type of Contacts			DPDT	4PDT
Contact Material			Silver Alloy	Silver Alloy
Current rating		A	5	3
Maximum permissible current	< 0.01 s	A	10	10
Minimum Switching Requirement		mA	100	100
Indication	LED	On = Energized	Amber	Amber
Input Characteristics				
Standard Voltage		VAC	24, 120, 230	24, 120, 230
		VDC	12, 24	12, 24
Operating Range	% of Nominal	VAC	85% to 115%	85% to 115%
	% of Nominal	VDC	90% to 110%	90% to 110%
Maximum consumption	24 AC	VA	1.7	1.7
	120 AC	VA	2.6	2.6
	230 AC	VA	3	3
	12 DC	W	1.5	1.5
	24 DC	W	1.2	1.2
Indication	LED		Green	Green
Timing Characteristics				
Functions Available	(See page 5/3)		A (On Delay)	A (On Delay)
Time Scales			7	7
Time Ranges Available		sec	0.1....1 1....10	0.1....1 1....10
		min	0.1....1 1....10	0.1....1 1....10
		hr	0.1....1 1....10 10....100	0.1....1 1....10 10....100
Tolerance	Mechanical Setting	%	5	5
Repeatability	Constant Voltage and	%	0.5	0.5
Temperature Drift	Temperature	% / °C	0.05	0.05
Reset Time	Maximum	ms	50	50
Performance Characteristics				
Electrical Life	Operations @ Rated Current	(Resistive)	100,000	100,000
Mechanical Life	Unpowered		10,000,000	10,000,000
Dielectric strength	Input to Contacts	V	2000 AC	2000 AC
Environment				
Product certifications	Standard version		UR, CE, CSA	UR, CE, CSA
Ambient air temperature around the device	Storage	°C	-40...+70	-40...+70
	Operation	°C	-20...+60	-20...+60
Degree of protection			IP 50	IP 50
Weight		grams	43	43

Function	Operation	Timing Chart
A. ON DELAY Power On	When the input voltage U is applied, timing delay t begins. Relay contacts R change state after time delay is complete. Contacts return to their shelf state when power U is removed. Control switch is not used in this mode.	



TDR782 Relay with the 70-782EL14-1 Socket

Standard Part Numbers

BOLD-FACED PART NUMBERS ARE NORMALLY STOCKED

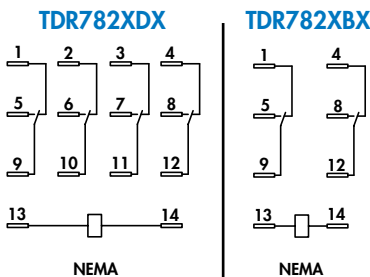
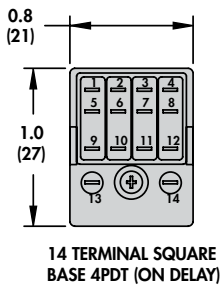
	Input Voltage	Timing Range	Functions Available	Contact Configuration	Rated Load Current
TDR782XBXA-12D	12 VDC	0.1s to 100h	A (On Delay)	DPDT	5 Amps
TDR782XBXA-24D	24 VDC	0.1s to 100h	A (On Delay)	DPDT	5 Amps
TDR782XBXA-24A	24VAC	0.1s to 100h	A (On Delay)	DPDT	5 Amps
TDR782XBXA-110A	110 VAC	0.1s to 100h	A (On Delay)	DPDT	5 Amps
TDR782XBXA-230A	230 VAC	0.1s to 100h	A (On Delay)	DPDT	5 Amps
TDR782XDXA-12D	12 VDC	0.1s to 100h	A (On Delay)	4PDT	3 Amps
TDR782XDXA-24D	24 VDC	0.1s to 100h	A (On Delay)	4PDT	3 Amps
TDR782XDXA-24A	24VAC	0.1s to 100h	A (On Delay)	4PDT	3 Amps
TDR782XDXA-110A	110 VAC	0.1s to 100h	A (On Delay)	4PDT	3 Amps
TDR782XDXA-230A	230 VAC	0.1s to 100h	A (On Delay)	4PDT	3 Amps

Part Number Builder

Series	Contact Configuration	Functions	-	Input Voltage
TDR782 = 782 Miniature Timer	XBX = DPDT XDX = 4PDT	A = ON Delay	-	12D = 12 VDC 24D = 24 VDC 24A = 24 VAC 110A = 110 VAC 230A = 230 VAC

Other mating sockets see Section 2: 70-782E14-1, 70-782D14-1, 70-461-1, 70-378-1, 70-379-1

NOTE: Terminal size is 0.105 x 0.020 (2.68 x 0.508)



WIRING DIAGRAMS
Bottom View

