

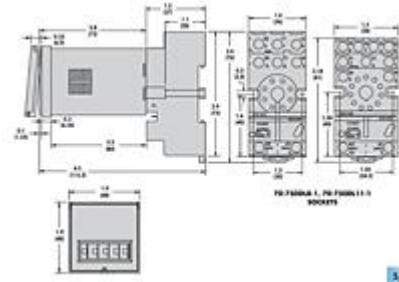
Magnecraft

Item # TDRPRO-5101, TDRPRO-5100 Series Time Delay Relays/ SPDT 12 Amp Rating

TDRPRO-5100 Series Time Delay Relays/ SPDT 12 Amp Rating

The TDRPRO-5100 Series is a programmable multi-function, multi-voltage time delay relay with multiple time ranges for the ultimate in flexibility. The TDRPRO-5100 features thumb wheel adjustment for impeccable accuracy. Two LEDs indicate when power is present at the coil, output is energized or if the relay is performing one of its 10 timing functions.

Supercedes: TDRPRO-5001 Series



[SPECIFICATIONS](#) · [OUTPUT CHARACTERISTICS](#) · [INPUT CHARACTERISTICS](#) · [PERFORMANCE CHARACTERISTICS](#) · [ENVIRONMENT](#)

SPECIFICATIONS

Type of Device	Time Delay
Input Voltage Range	24 VAC 24 to 240 VAC 110 VAC 120 VAC 230 VAC 240 VAC 12 VDC 24 VDC 12 VAC / VDC 12 to 240 VAC / VDC 24 VAC / VDC 120 VAC / VDC
Timing Range	0.1s to 9990h
Number of Functions	10

Rated Current Load	12 A
--------------------	------

OUTPUT CHARACTERISTICS

Contact Configuration	SPDT
Contact Materials	Silver Alloy
Current Rating at 240 VAC, 30 VDC	12
Switching Voltage	240 VAC, 50/60 Hz 30 VDC
Switching Voltage [hp]	1/2 hp at 240 VAC 1/3 hp at 120 VAC
Switching Voltage (Pilot Duty)	B300
Indication (LED)	Red

INPUT CHARACTERISTICS

Operating Range - % of Nominal	85 to 115 %
Maximum Consumption AC	2.5 VA
Maximum Consumption DC	2 W
Indication (LED)	Green
Functions Available	A - On Delay (Power On) B - Repeat Cycle (Starting Off) C - Interval (Power On) D - Off Delay (S Break) E - Retriggerable One Shot F - Repeat Cycle (Starting On) G - Pulse Generator H - One Shot I - On/Off Delay (S Make/Break) J - Memory Hold (S Make)
Time Scales	7
Time Ranges Available	(0.1 s) 0 to 999 s (0.1 min) 0 to 999 min (0.1 h) 0 to 999 H (10 h) 0 to 999 H d
Tolerance, Mechanical Setting	0 %
Repeatability, Constant Voltage and Temperature	0.1 %
Operate Time, Maximum	25 ms
Reset Time, Maximum	25 ms
Reset Time	150 ms

PERFORMANCE CHARACTERISTICS

Electrical Life (UL508), Operations at Rated Current	100000
--	--------

(Resistive)	
Mechanical Life, Unpowered	10000000
Dielectric Strength - Input to Contacts	2500 VAC
Dielectric Strength - Between Open Contacts	1000 VAC

ENVIRONMENT

Product Certifications, Standard Version	CE UR
Ambient Air Temperature around the Device - Operation	-20 to +55 °C
Ambient Air Temperature around the Device - Storage	-30 to +70 °C
Degree of Protection	IP 40