



# THE DATASHEET OF PDR-2B/UNI



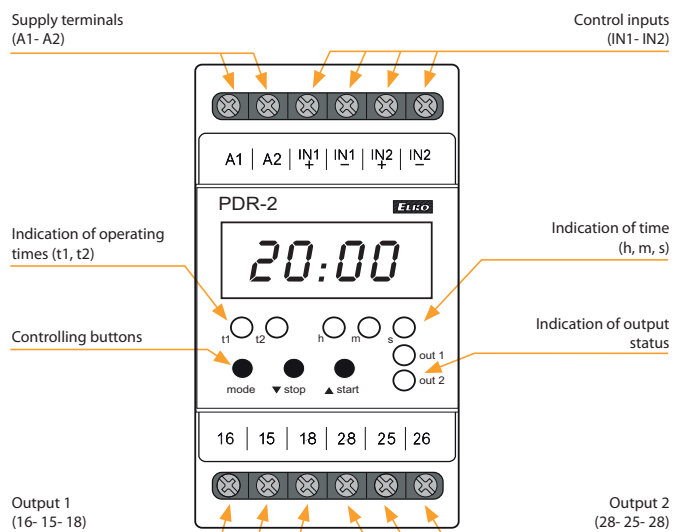


EAN code  
 PDR-2A/230V: 8594030333037  
 PDR-2A/UNI: 8594030333044  
 PDR-2B/230V: 8594030333051  
 PDR-2B/UNI: 8594030333068

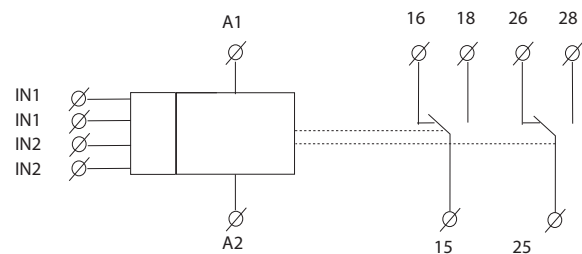
Technical parameters	PDR-2/A	PDR-2/B
Function:	16	10
Supply terminals:	A1 - A2	
Voltage range:	AC/DC 12 - 240 V (AC 50-60 Hz)	
Burden (max.):	AC 0.5 - 2.5 VA/DC 0.4 - 2.5 W	
Voltage range:	AC 230 V (50-60 Hz)	
Consumption (apparent/loss):	AC max. 16 VA/2.5 W	
Max. dissipated power (Un + terminals):	5.5 W	
Supply voltage tolerance:	-15 %; +10 %	
Time ranges:	0.01 s - 100 h	
Repeat accuracy:	0.2 % - set value stability	
Temperature coefficient:	0.01 %/°C, at = 20 °C (0.01 %/°F, at = 68 °F)	
<b>Output</b>		
Number of contacts:	2x changeover/SPDT (AgNi/Silver Alloy)	
Current rating:	16 A/AC1; 1 HP 240 Vac, 1/2 HP 120 Vac; PD. B300	
Breaking capacity:	4000 VA/AC1, 384 W/DC	
Inrush current:	30 A/< 3 s	
Switching voltage:	250 V AC/24 V DC	
Output indication:	red LED	
Mechanical life:	30.000.000 ops.	
Electrical strength (AC1):	60.000 ops.	
<b>Control</b>		
Control input Burden:	AC 0.01 - 0.25 VA (UNI), AC 0.25 VA (AC 230 V)	
Glow lamps:	No	
Control. impulse length:	min. 1 ms/max. unlimited	
Reset time:	max. 200 ms	
Display - colour:	red	
Number and height of digits:	4 positions with separating colon, height 10 mm (0.39")	
Luminance:	2200 - 3800 ucd	
Light wavelength:	635 nm	
Brightness setting:	range 20 - 100 % in 10 steps adjustable	
Memory - memory locations:	30 (PDR-2/A)/20 (PDR-2/B) for times ranges + service function	
Data stored for:	min. 10 years	
<b>Other information</b>		
Operating temperature:	-20 .. +55 °C (-4 .. 131 °F)	
Storage temperature:	-30 .. +70 °C (-22 .. 158 °F)	
Dielectric strength:	4 kV (supply - output)	
Operating position:	any	
Mounting:	DIN rail EN 60715	
Protection degree:	IP40 from front panel/IP20 terminals	
Overvoltage category:	III.	
Pollution degree:	2	
Max. cable size (mm <sup>2</sup> ):	solid wire max. 1x 2.5 or 2x 1.5/ with sleeve max. 1x 1.5 (AWG 12)	
Dimensions:	90 x 52 x 65 mm (3.5" x 2" x 2.6")	
Weight:	142 g (5 oz.) (230), 140 g (4.9 oz.) (UNI)	
Standards:	EN 61812-1	

- Multifunction programmable digital relay with 4 digit red LED display.
- Control and setting are done by 3 buttons, user-friendly menu, absolute accuracy in timer setting, time countdown on a display, galvanically separated START and STOP control inputs with UNI supply.
- Thanks to its complexity, it is possible to program also more demanding time functions by using 2 independent times.
- 2 independent times, with combination of 2 inputs and 2 outputs.
- PDR-2/A: 16 functions, choice of functions of the other relay, 30 memory places for most frequently used times.
- PDR-2/B: 10 functions, 1 output of 10 functions can be assigned to each relay = 2 relays in one device.

## Description



## Symbol

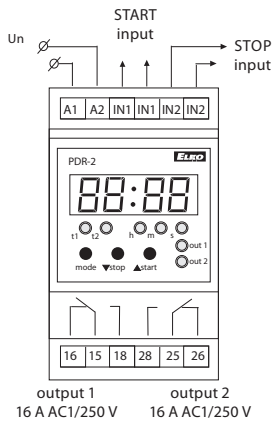


## Time data

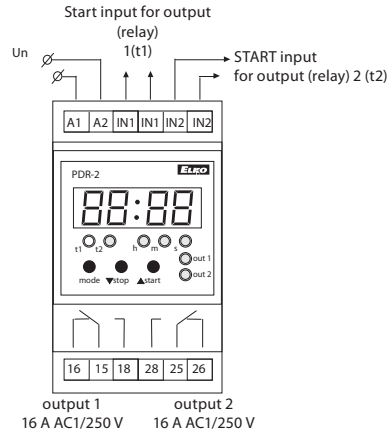
Time range:	0.01 s - 99 h 59 min 59 sec 99 ss
Minimal time step:	0.01 s
Time deviation:	0.01 % of set value
Setting error:	0 %
Setting, reset accuracy:	100 %
Digital places:	selected via program

Connection

PDR-2/A

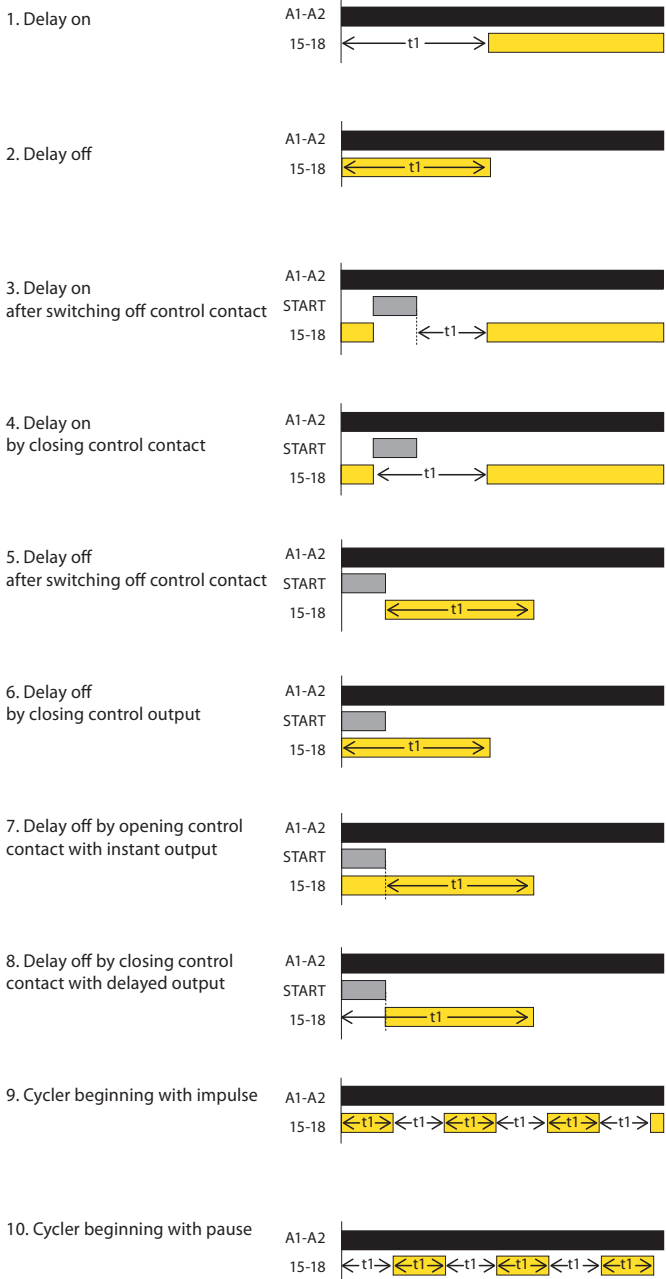


PDR-2/B

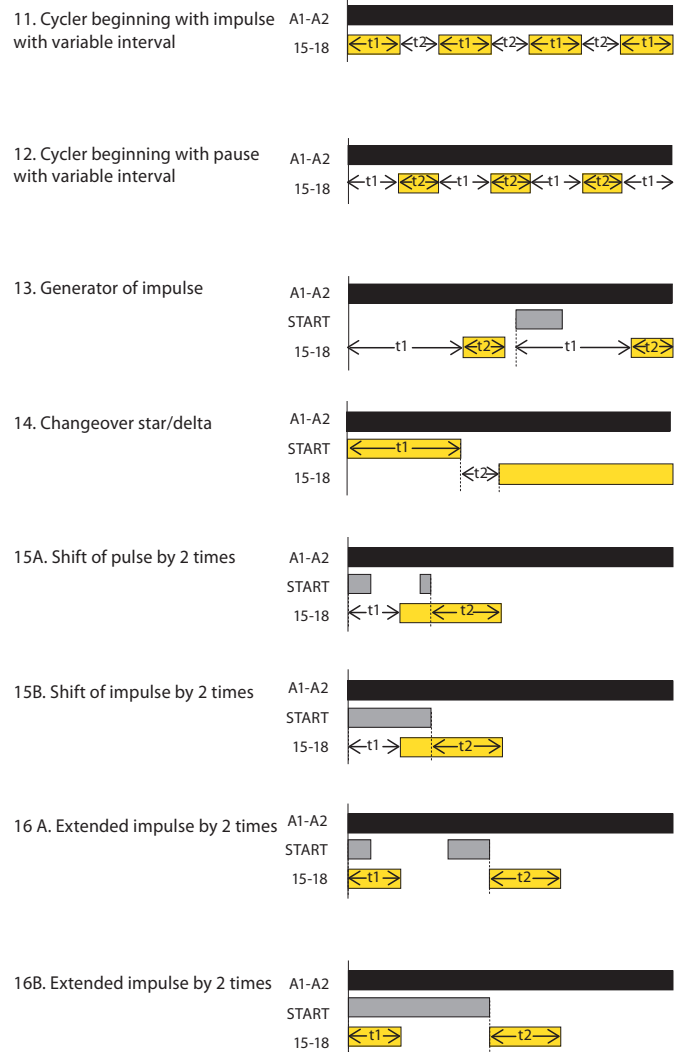


Function

Functions for PDR-2/A and PDR-2/B




Functions for PDR-2/A



Recommendation:  
PDR-2/B is replacing 2 simple time relays = 2 in 1.

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-  [ELKO EP North America LLC Information](#)

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