Plug-in time relay PRM-91H, PRM-92H, PRM-2H

11

8

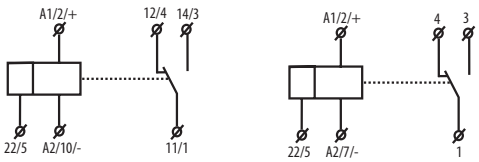
- equivalent of modular types of relays but in versions for 11 or 8 pin standardized socket
  plug-in type enables easy exchange, replacement of older types of relays (pin compatible) or easy exchange of an auxiliary relay for a timer.
- multifunction time relay PRM-91H
  11 and 8 pin type
  10 time functions, time scale 0.1 s - 10 days divided into 10 ranges
  output contact 1x 16 A / 4000VA, 250V AC1
- multifunction time relay PRM-92H
  11 pin type
  10 time functions, time scale 0.1 s - 10 days divided into 10 ranges
  output contact 2x 8 A / 2000VA, 250V AC1
- asymmetric cycler PRM-2H
  11 pin type
  2 time functions, time scale 0.1 s - 100 days divided into 10 ranges
  output contact 2x 8 A / 2000VA, 250V AC1
- universal supply voltage AC/DC 12 - 240 V
- output indication: multif. red LED, flashing at certain states
- PLUG-IN relays

Technical Parameters	PRM-91H/ 8	PRM-91H/ 11	PRM-92H	PRM-2H
Number of functions:	10			2
Supply:	pins 2 and 7	pins 2 and 10	pins 2 and 10	pins 2 and 10
Supply voltage:	AC/DC 12 - 240 V			
Consumption:	AC 0.7 - 3 VA / DC 0.5 - 1.7 W			
Supply voltage tolerance:	-15 %; +10 %			
Supply indication:	green LED			
Time ranges:	0.1 s - 10 days			0.1 s - 100 days
Time setting:	rotaty switch			
Time deviation:	5 % - mechanical setting			
Repeat accuracy:	0.2 % - set value stability			
Temperature coefficient:	0.01 % / °C, at = 20 °C			
Output				
Number of contacts:	1x changeover (AgNi)		2x changeover (AgNi)	2x changeover (AgNi)
Rated current:	16 A / AC1		8 A / AC1	8A / AC1
Breaking capacity:	4000 VA / AC1, 384 W / DC		2000VA / AC1, 192W / DC	2000VA / AC1, 192W / DC
Inrush current:	30 A / <3 s		10 A / <3 s	10 A / <3 s
Switching voltage:	250 V AC1 / 24 V DC		250 V AC1 / 24 V DC	250 V AC1 / 24 V DC
Min. breaking capacity DC:	500 mW			
Output indication:	multifunction red LED			
Mechanical life:	$3x10^7$			
Electrical life (AC1):	$0.7x10^5$			
Control				
Control. voltage:	UNI			
Control power input:	AC 0.025 - 0.2 VA / DC 0.1 - 0.7 W (UNI)			
Load between 5-10:	Yes			
Glow-tubes:	No			
Control terminals:	2 - 5			
Impulse length:	min. 25 ms / max. unlimited			
Reset time:	max. 150 ms			
Other information				
Operating temperature:	-20.. +55 °C			
Storage temperature:	-30.. +70 °C			
Electrical strength:	2.5 kV			
Operating position:	any			
Mounting/DIN rail:	DIN rail EN 60715			
Protection degree:	IP 40 from front panel			
Overvoltage cathegory:	III.			
Pollution degree:	2			
Dimensions:	50 x 38 x 53 mm, see page 157-159			
Weight:	57 g	57 g	58 g	58 g
Standards:	EN 61812-1, EN 61010-1			

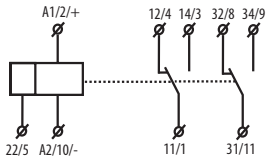
Symbol

PRM-91H

LEGEND TO DESCRIPTION
polarity- outputs/number on module/on socket

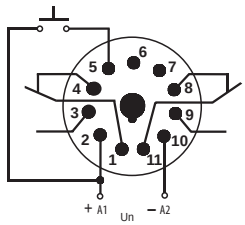


PRM-92H, PRM-2H

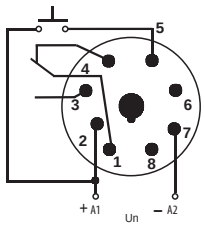


Connection PRM-91H/11, PRM-91H/8

PRM-91H/11



PRM-91H/8

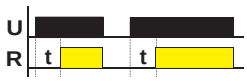


Recommended socket

ES-11

ES-8

Delay ON after energization — a

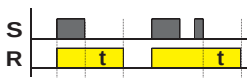


Delay OFF after energization — b

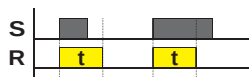
Cyclerbeginning with pause after energization — c

Cycler beginning with impulse after energization — d

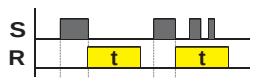
Delay OFF after de-energization, instant switches of output — e



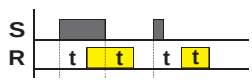
Delay OFF responding to make of control contact regardless its length — f



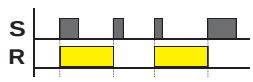
Delay OFF after break of control contact with instant output — g



Delay OFF after make and break of control contact — h



Memory (latching) relay — i



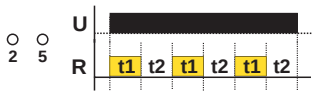
Pulse generator (PULSE=0.5s) — j

PULS = 0.5 s

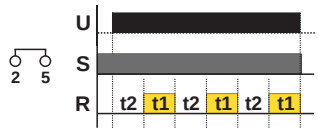
Function PRM-2H

Choice Function in PRM-2H is done by connecting terminals 2 and 5

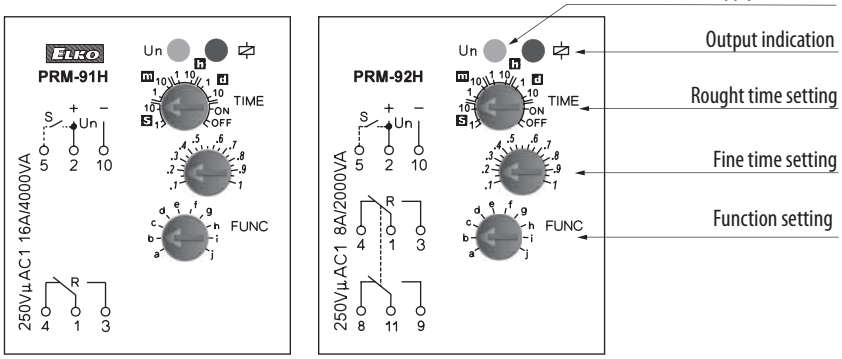
Cycler beginning with pulse

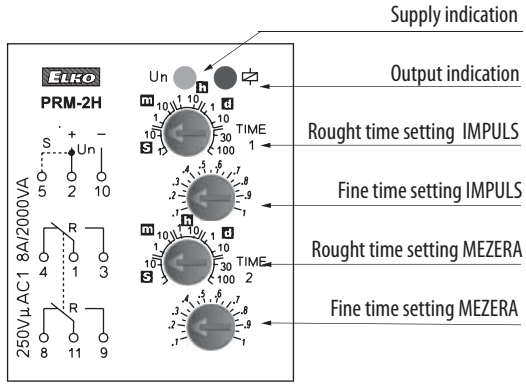


Cycler beginning with pause

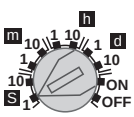


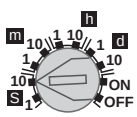
Description / Connection

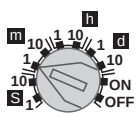


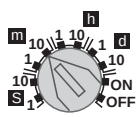


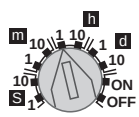
Time ranges PRM-91H , PRM-92H











Time ranges PRM-2H