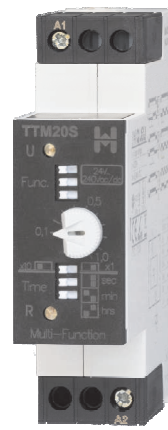


TTM20S

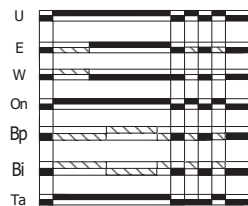
overview

- ◆ supply voltage 24..240V~
- ◆ thyristor output 500mA max.
- ◆ 8 selectable time ranges
- 0.1s..100h
- ◆ 22.5mm rail mount housing



Multifunction time relay

- Supply voltage (U) ON
- Supply voltage (U) OFF
- Output stage ON
- Output stage OFF
- ⏱ Time is running

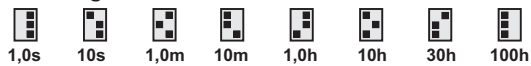


The time relay must be connected in series with the load. After applying the supply voltage the timer immediately takes on the function and it starts the time and / or the semiconductor output is conducting. At conducting semiconductor output the load is connected to the supply voltage.

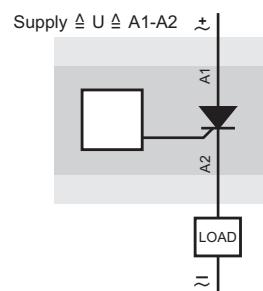
note:

A small leakage current flows at the time of non-active semiconductor output across the load. It is necessary to consider whether this current does not lead to undefined behavior of the load.

Time ranges



The required delay time within the range selected is set using the potentiometer on the front plate. Possible functions depend on ac/dc voltage:



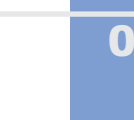
Func.	ac	dc
E	✓	✓
W	✓	✓
On	✓	✓
Bp	✓	✓
Bi	✓	✓
Ta	✓	✓

specification

supply voltage variation	nominal voltage -20%..+10%
frequency range	DC, 48Hz..63Hz
duty cycle	100%
repeat accuracy	<0,5% of the selected range
thyristor output	$I_{max} = 500\text{mA}$ (-10mA/°C)
	$I_{min} = 7\text{mA}$
	$I_{peak} = 8\text{A}$ (<10ms)
	$I_{leakage} = 1,5\text{mA}$
voltage drop.	<6Vac @230Vac; 7mAac
	<3Vac @230Vac; 500mAac
	<1,5Vac @24Vac; 500mAac
screws	pozidriv 1, slot 4x0,8mm
screw tightening torque	0,4Nm
operating conditions	-20 bis +60°C
	10..95%rH non condensing

ordering information

part no	supply	consumption	output	time ranges	housing type
TTM20S	24..240V~	1,5mA	semiconductor	8/0,1s...100h	A



multi function with semiconductor output