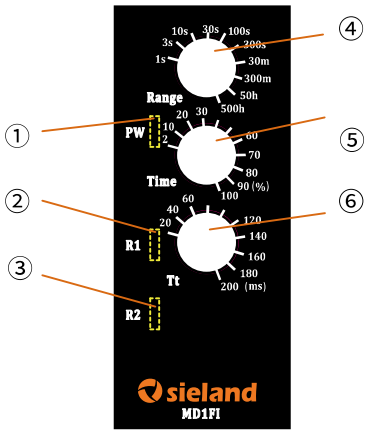
MD1FI Star-delta Time Relay Specification



① PW：green LED, power supply indication
② R1 ：yellow LED, Relay 1 status indication
③ R2 ：yellow LED, Relay 2 status indication
④ Time range setting： 1s, 3s, 10s … 500h
⑤ Time value setting： 2% … 100%
⑥ Star-delta shift time： 20ms, 40ms ... 200ms

Products features:

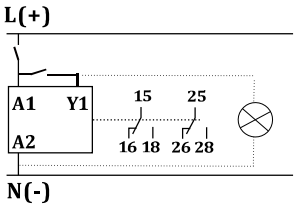
- Wide power supply range: 12-240V AC/DC
- Wide time setting: 0.02s - 500h
- Ten star-delta shift time： 20ms, 40ms ... 200ms

Technical data:

Rated voltage :	12 - 240 V AC/DC
Rated frequency :	DC or 50/60Hz
Terminal type :	Screw terminals
Width :	22.5 mm
Height :	92 mm
Length :	100 mm
Time range :	0.02s - 500h
Setting accuracy :	±10%
Repeatability :	±0.5%
Temperature drift :	±0.05%/°C
Voltage drift :	±0.2%/V
Switching capacity :	10A/250 V AC
Electrical durability :	10^5 cycles
Mechanical durability :	10^7 cycles
IP degree :	IP50/IP20
Temp. for operation :	–40°C…60°C
Temp. for storage :	–40°C…85°C
Relay output :	2 c/o (SPDT)
Mounting :	35mm DIN rail
Standards :	IEC61812-1、GB14048.5

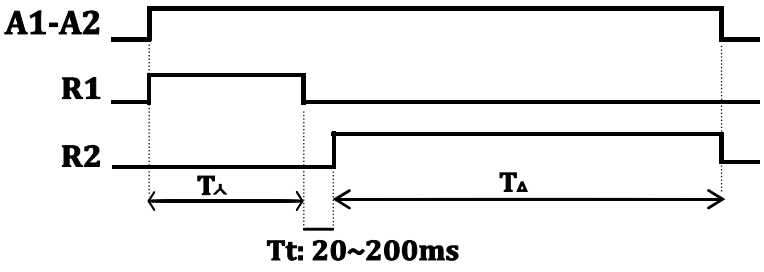
Reference figure for MD1FI:

T: 0.02s-500h
A1-A2: 12-240V AC/DC, 50/60Hz
—/— : 10A 250V AC/30V DC



Note: If A1-A2 is DC power supply , A1 must be positive , A2 must be negative

Fuction figure:



Delay time setting example

■ $T_{人}$ delay for 10s

Turn the time range knob to 10s, turn the percentage knob to 100%,

Then the time setting value is: $T_{人}$ = Rang * Time = 10s * 100% = 10s

■ Star-delta shift time for 60ms

Turn the knob Tt to 60ms, Then Tt = 60ms