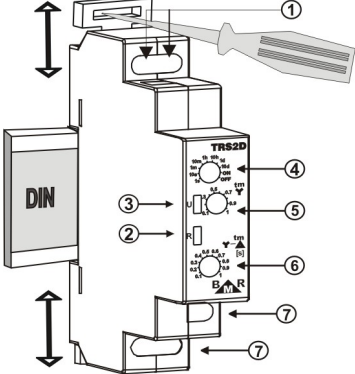
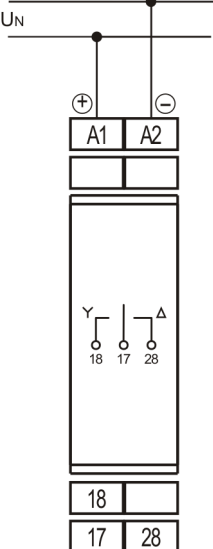


Single function time relay - delay start star/delta

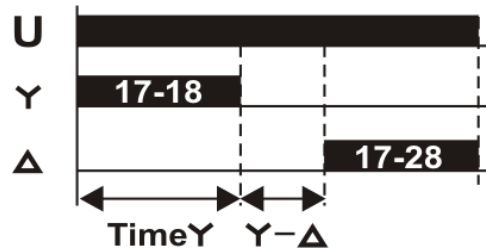
## 1. Device description

TRS2D is a time relay designed for delayed reconnection from star to delta connection during motor start up. It is possible to set time from 0,1 sec to 10 days for start connection and delay from 0,1 to 1 second for reconnection between star to delta. Relay has one output double-throw contact 8 A.

Terminal description:	Terminal placement:	Connection diagram:
<ul style="list-style-type: none"> <li>➊ Supply voltage</li> <li>➋ Output indication</li> <li>➌ Supply voltage indication</li> <li>➍ 1<sup>st</sup> time adjustment (time of star start)</li> <li>➎ Fine adjustment of 1<sup>st</sup> time</li> <li>➏ Fine adjustment of 2<sup>nd</sup> time (delay between connection to delta)</li> <li>➐ Outputs</li> </ul>		

## 2. Function

**Function** - delayed reconnection from star to delta connection during motor start up



### 3. Technical features

Parameter	Value
Supply voltage:	12 VAC, VDC to 230 VAC
Supply terminals:	A1, A2
Power consumption:	max. 1,5 VA
Number of functions:	1
Supply voltage indication:	green LED
Timing indication:	yellow blinking LED
Adjustable time range:	0,1 sec to 10 days
<b>Output parameters:</b>	
Number and type of contacts:	1x changeover contact
Nominal current:	8 A
Switching power:	max. AC 2000 VA
Trigger current:	30 A
Nominal voltage / max. switching voltage:	250 VAC / 440 VAC
Mechanical lifetime:	3 x 10 <sup>6</sup>
Electrical lifetime:	1 x 10 <sup>4</sup> 250 VAC, 8 A
<b>Others:</b>	
Working temperature:	-20 .. +55 °C
Storage temperature:	-40 .. +70 °C
Working position:	any
Mounting:	IEC 60715 (DIN 35)
Protection degree:	IP 40 on panel / IP 20 terminals
Electrical strength:	4 kV
Input wire diameter with/without cavern:	max. 2x1,5mm <sup>2</sup> ; 1x2,5mm <sup>2</sup> / max. 2x1,5mm <sup>2</sup> ; 1x2,5mm <sup>2</sup>
Weight:	75 g
Dimensions:	90 x 18 x 65 mm
Standards:	IEC 60255-6, IEC 61010



#### Note

*For changing the time, it is not necessary to disconnect supply voltage.*