



# EATON EMT6-DB Thermistor Overload Relay Instruction Manual

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*EATON EMT6-DB Thermistor Overload  
Relay Instruction Manual*

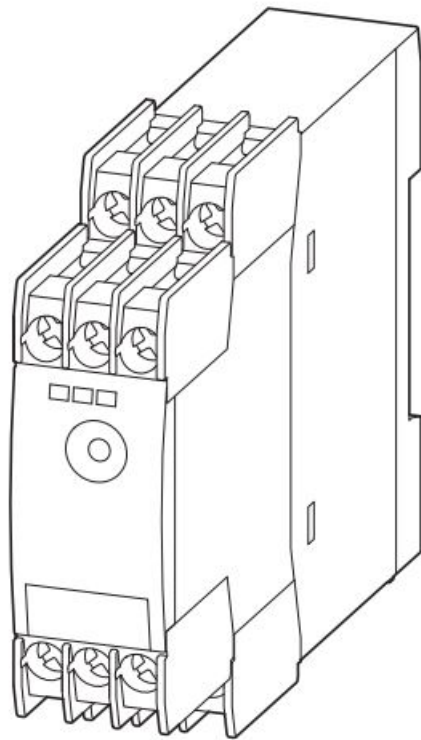


**02/22 IL121016ZU**

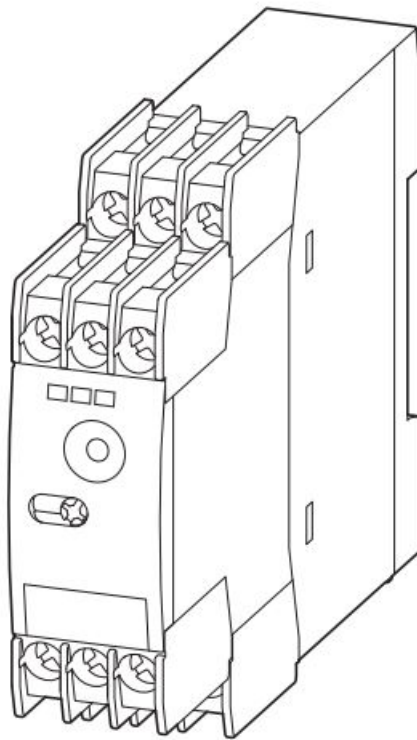


Electric current! Danger to life! Only skilled or instructed persons may carry out the following operations.

## EMT6, EMT6 (230V)



## EMT6-DB, EMT6-DB (230V)



### CSA

#### ⚠ WARNING

Transient surge suppression shall be installed on the line side of this equipment and shall be rated n/a V (phase to ground), 275 V (Phase to phase), suitable for overvoltage category III, and shall provide protection for a rated impulse withstand voltage peak of 4 kV.

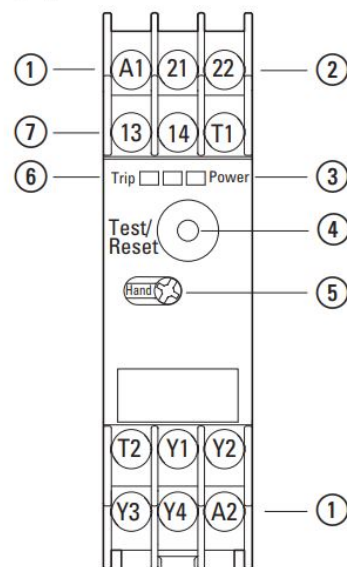
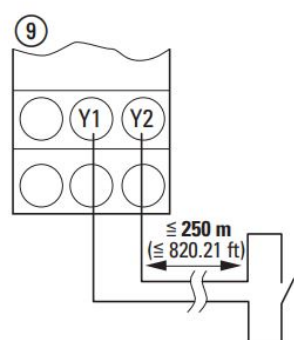
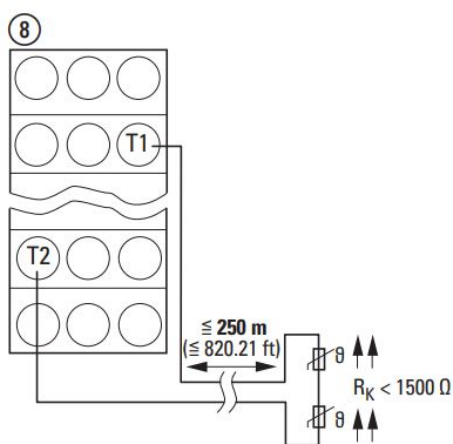
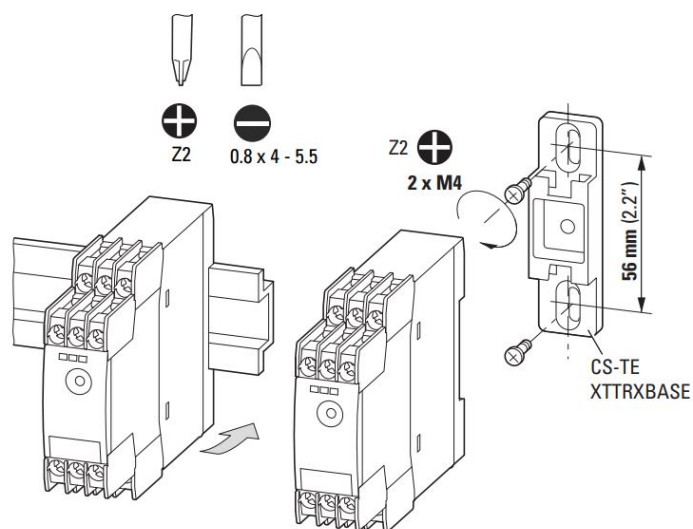
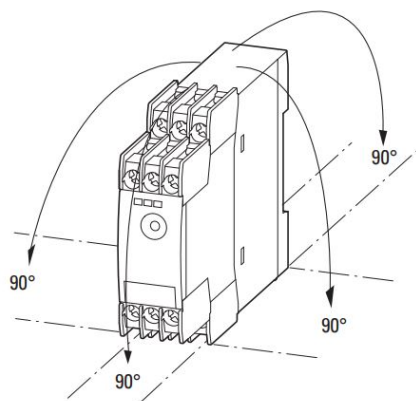
### UL/CSA

- Max. Surrounding air temperature rating 40 centigrade degree
- Use copper conductors only
- For use in pollution degree 2 environment only






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## Mounting



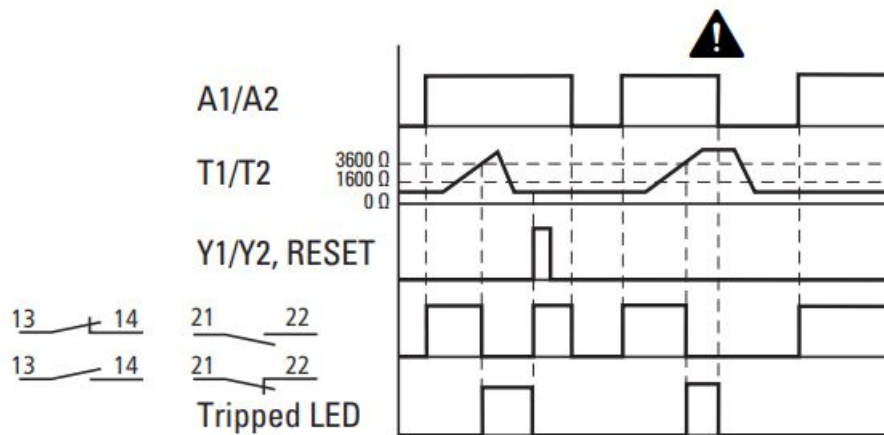
1. Rated control supply voltage (A1/A2)
2. Auxiliary contact (break contact 21/22)
3. Supply LED (green)
4. Test/Reset
5. Manual and automatic reset
6. Tripped LED (red)
7. Auxiliary contact (make contact 13/14)
8. Thermistor (T1/T2)
9. Remote reset (Y1/Y2)

 mm <sup>2</sup>	 mm <sup>2</sup>	AWG	 6 mm (0.24")	Nm	lb-in	A1/A2	EMT6 (230 V) EMT6-DB (230 V)
1 x (0.5 - 2.5)	1 x (0.5 - 2.5)	20 - 14	 0.8 mm x (4 - 5.5 mm) 0.03" x (0.16 - 0.22")	0.8 - 1.2	7.1 - 10.6	~ 24 V - 240 V 50 - 400 Hz (- 15 %, + 10 %)	230 V 50/60 Hz (- 15 %, + 10 %)
2 x (0.5 - 1.5)	2 x (0.5 - 1.5)	20 - 16	 Z2	0.8 - 1.2	7.1 - 10.6	~ 24 V - 240 V (- 15 %, + 10 %)	

→ Each terminal must not be assigned cables with different cross-sections.

## HAND

### EMT6-DB, EMT6-DB (230 V)

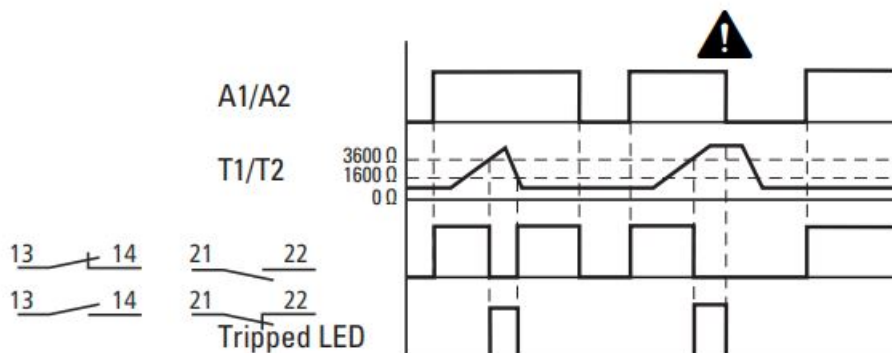


#### ⚠ DANGER

Danger to personnel and machines. In function "HAND" the released relay switches on automatically after a voltage dip.

## AUTO

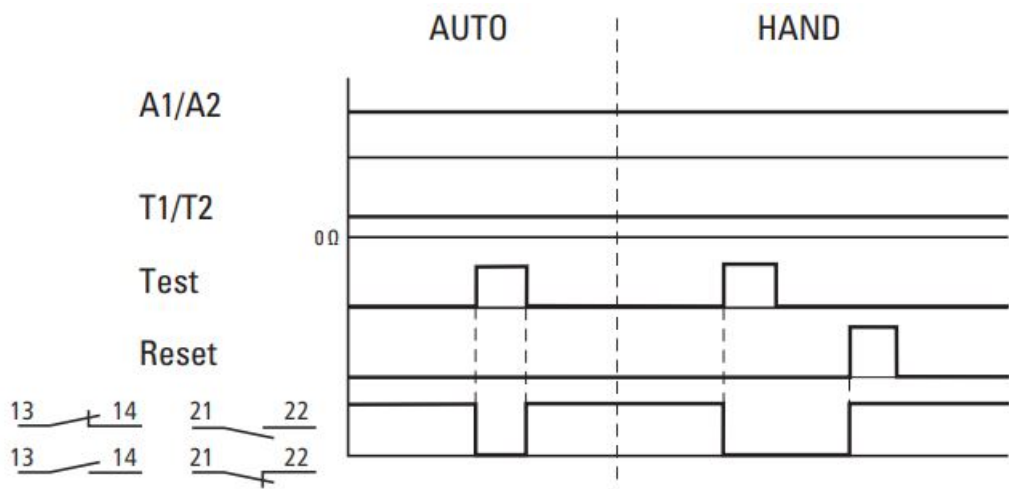
### EMT6, EMT6 (230 V), EMT6-DB, EMT6-DB (230 V)



#### ⚠ DANGER

Danger to personnel and machines. In function "AUTO" machines can restart automatically after a release. EMT6 and EMT6 (230 V) can only be operated in function "AUTO".

## Test/Reset



#### ⚠ DANGER

EMT6 and EMT6 (230 V) can only be operated in function "AUTO"

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## Documents / Resources



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