# STORAGE & OPERATING TEMPERATURE OF THE MERSEN FUSES

1. With ceramic body fuses the standard answer is :
Storage temperature : -40 °C to +70 °C
Operating ambient temperature : -20 °C to +70 °C
with Glass Melamine Glass body (for round body of North America fuses) :
Storage temperature : -40 °C to +70 °C
Operating ambient temperature : -30 °C to +70 °C.

It deserves more comments :

2. Humidity (tropical condition for example) will change temperature conditions :

| | | | |
|---|---|---|---|
| relative humidity (%) | 95 | 80 | 50 |
| temperature (°C) | 20 | 40 | 50 |

A salt laden atmosphere technology is necessary when the fuse is stored in open warehouse and marine or tropical climates.

3. When the fuse is working, the current carried by the fuse must be adjusted.

4. Current adjustment should take into account the type of plating on the terminals : for example the contact temperature of a tin plated contact must be less than 100°C.

5. Temperature variations in the stock room must be less than 15°C within 8 hours or 5°C within 3 hours.

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