

ANTI MOISTURE DEVICES

FEATURES

One of the main causes for electrical troubles on electrical and electronic sets is due to the moisture which is formed on components during variation of the ambient temperature. A simple and economic way to avoid these problems, consists on application of anti-condensation devices (Heaters) which maintain the temperature inside the enclosure some degrees higher than the ambient temperature in order to prevent moisture condensation. The Heaters DAT100 and DAT150 have been developed for this specific use.

Their main features are :

- Surface temperature limited to 70°C allows assembling without problems.
- A thermostat permits maximum power at very low temperatures, then reduces the power dissipated till turn off the devices at +55°C.
- The DAT models are provided with simple clip mounting for 35mm DIN rail.
- Use of power wirewound resistors, under MIL-PRF-18546 G specs., increase reliability and suitable supply voltage.

DAT Series

ELECTRICAL SPECIFICATIONS

- Max power ratings : DAT100 = 100W
DAT150 = 150W
- Supply voltage: Standard 220 Vac ± 20%
On request any supply voltage from 24 Vac to 220 Vac
- Dielectric strength: 2000 Vac for any type
- Insulation resistance: 1000 MOhm minimum at 500 Vdc

$P = A \times \Delta T \times K$

A = Console internal surface (m²)

ΔT = Temperature difference (°C)

K = 3.5W/m² °C for plastic console

K = 5.5W/m² °C for iron plate (closed room)

Specifications

