



FREE AIR COOLING

save up to 80% energy consumption in your telecom network

ZZAP ELEKTRONIK'S FREE AIR COOLING SYSTEM



grills



ventilator



CPU TMONR0

- together with air fan works in addition to conventional air condition systems used for cooling mobile base stations
- measures inside temperature and shows it on display
- measures outside temperature and shows it on display
- has five manually adjustable parameters (T1 – temperature for turning on the air fan, T2 – temperature for the turning off the air fan, T3 – temperature for turning on the emergency configuration, T4 – temperature for turning on the air-conditioning, ΔT – defined difference between inside and outside temperature)
- receives an alarm from air-condition
- receives an alarm from network monitor



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TECHNICAL CHARACTERISTICS

Parameter	Value
Input voltage	48V DC
Sensor	Indoor temperature sensor (Tu) with accuracy +/- 1C Outdoor temperature sensor (Tv) with accuracy +/- 1C
Output	48V DC for two air fans
Relay	2 relay outputs
Inputs	3 digital inputs
LCD display	16x2 alfa-numeric characters
Settable parameters	5 temperature parameters 1 timer for network supervision
Size (LxWxH)	185mm x 213 mm x 105mm
Mounting	Wall mountable
Weight	1.5 kg approximately
Ambient temperature	-25C/60C



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BENEFITS

- Reduced energy cost
- Lower carbon emission
- Simple to install and maintain - low maintenance cost
- No filtering provides longer service intervals and lower energy costs
- Creates good global environment

RETURN ON INVESTMENT (ROI)

1. Installation cost (CAPEX)
2. Maintenance cost (OPEX)
3. Running cost (OPEX)