

# Datasheet mUPS 24V micro Uninterruptible Power Supply



## ► Introduction

The mUPS (micro Uninterruptible Power Supply) is designed as a power supply system for the TC302 and JAZZmin TeleControllers. The mUPS comes standard with a 230 V AC DIN rail power supply. The power supply may vary slightly from the model shown below.

mUPS:



Power supply:



## ► Main functions

The 24 V mUPS functions as a power supply system for the JAZZmin TeleController. It stabilizes the incoming mains power and provides a stable output voltage. In the event of a mains power failure it also functions as a battery back-up and will send a signal of mains power loss to the JAZZmin. The JAZZmin will then send an alarm message to TeleControlNet.

### Tasks

The mUPS performs three major tasks:

1. It stabilizes the mains power.
2. It acts as a battery back-up in the event of a mains power failure.
3. It sends a signal to the JAZZmin when it detects a mains power failure, so the JAZZmin can send an alarm message to TeleControlNet.

## ► Main features

- Designed for TeleController applications.
- DIN rail mountable.
- Maintenance-free lead acid battery (recommended battery change every two years).
- Usable in any orientation except permanently inverted.
- Two power outputs.

### **Electrical description of mUPS**

- Input voltage: 85 to 264 V AC
- Input frequency: 47 to 63 Hz
- Input current: 1 A @ 230 V AC
- Inrush current: 60 A @ 230 V AC
- Nominal output voltage: 23.5 to 24.5 V DC\*
- Maximum total output current: 0.62 A
- Maximum available charge in case of mains power failure: 0.40 Ah\* (dependent on output current) @ 23.5 to 24.5 V

\* with fully charged battery

### **Physical description of mUPS (excluding power supply)**

- Height: 76 mm (3.0")
- Width: 68 mm (2.7")
- Depth: 105 mm (4.31")
- Weight (including 2 front connectors): 725 g (1.60 lbs)

### **Physical description of power supply**

- Height: 92 mm (3.6")
- Width: 40 mm (1.6")
- Depth: 101 mm (3.98")
- Weight (excluding cables): 281 g (0.619 lbs)

### **Operating temperature**

- mUPS: -15 to 50 °C (5 to 122 °F)
- Power supply: -20 to 60 °C (-4 to 140 °F)

### **Maintenance**

- Recommended battery change every two years

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