

Automatic transfer Switch Controller **multicomp** PRO

**RoHS
Compliant**

Description

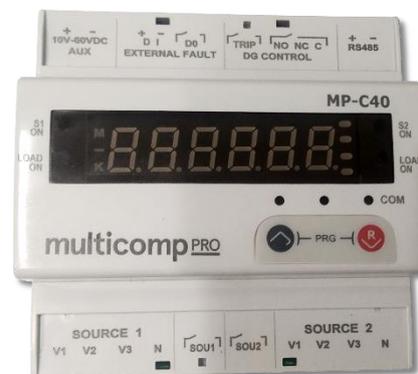
Automatic transfer Switch controllers are designed for quick and safe automatic transfer of load from one source to another by controlling automatic transfer switches, contactors, circuit breakers, or other motorized switch gears. ATS controllers are a vital part of electrical systems and are a device that tells the generator when to start & when to turn off when the primary power source is unavailable.

Applications

- Data centres
- Healthcare
- Commercial Buildings / Infrastructure
- Telecommunication Industry
- Process Manufacturing/OEM's

Features

- Intelligent automatic changeover control
- Under/Over Voltage protection for Source I & Source II
- Phase sequence/unbalanced current protection for Source I & Source II
- Monitor and display VLL, VLN, and Hz for Source I & Source II (MP-C40)
- Monitor and display ON hour and Number of power interruptions via RS485
- Programmable 1phase/3phase healthy selection for primary source
- A programmable feature is provided to choose Source I or Source II as a priority
- Configurable timer for generator start, transfer delay, restore delay, and generator cooling time
- Universal power supply of 8V DC to 60V DC
- 6-digit inbuilt LED display
- Individual phase overload monitoring with neutral current
- RS485 and addon TC-IP Ethernet Gateway
- Optional option to configure overload tripping module for Source I & Source II separately (MP-C40)
- Optional built-in AC Power Supply of 80V AC to 300V AC taken from R Phase
- Optional monitoring of A, kVA, and kWh feature is available
- Optional Programmable feature of overload ON/OFF cycles
- Optional digital input relay for fire alarm or other inputs of standby generator
- Optional programmable digital input relay for external fault trip



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Technical Specification

| Specification | Parameter | Default |
|-------------------------|--|----------------------|
| Rated Operating Voltage | 230V /50 Hz | |
| Operating Voltage Range | 150V to 300V AC (L-N) | |
| Rated Frequency | 45-65 Hz. | |
| DG Start Relay Rating | 8 A DC Power Relay | 8/30V DC |
| Auxiliary Voltage Range | (8-60) DC (Optional 80-300V AC Power Supply) | (8-60)V DC |
| Switching Technology | Relay based | Power Relays (R1-R5) |
| Accuracy | Class 1, Class 0.5 | Class 1 |
| Display | 4 digit Instantaneous and 6 digit Integrated LED | |

Benefits

- Offers a fast, safe, and effective means of source changing over minimizing power disruptions
- Rugged, versatile, compact, and user-friendly set up helps in saving time during installation.
- Set a time delay to start the generator, transfer sources, and restore sources for precise switching among sources as per your application.
- Load ON and source healthiness are indicated via bright LEDs.
- Reliable and field-proven mechanisms can provide you with voltage and overvoltage protection for your power sources.
- Provides total flexibility for configuring the input and output of power sources on the field
- Monitor three-phase power, on the hour of bath sources and power interruptions to avoid unnecessary expense at sites
- Equipped to support remote monitoring and communication.
- Sends alarm during a fire, fault in generator, and during an emergency.
- Provided with individual phase overload detection feature with immediate configurable action to trip.

Source I / Source II Protection

Under / Over Voltage

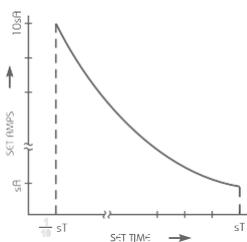
Single Phase missing

Phase sequence

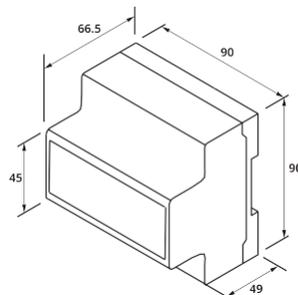
Under / Over Frequency

Over Current & Current unbalance (M40)

Inverse Curve



Mechanical Specification



Dimensions : Millimetres

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Programming Parameters

| | | |
|-------------------------|--------------------------|-------------|
| EB Under Voltage | (160-210)V AC | (180V AC) |
| EB Over Voltage | (240-270)V AC | (260V AC) |
| Generator Start delay | upto 12 hrs | 10 sec |
| Transfer/Restore delay | 1-60 Sec | 5 Sec |
| DG Cooling Time | 1-600 Sec | 30 Sec |
| Phase selection | 1 Phase/ 3 Phase | 3 Phase, 4W |
| Phase healthy selection | Any one Phase /all Phase | 3 Phase |
| Overload | EB/DG (M40) | |

Part Number Table

| Description | Part Number |
|--------------------------------------|-------------|
| Automatic transfer Switch Controller | MP-C40 |

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