



ATeS C40 | M40

ATS Controller

Real-Time Monitoring | Improve Productivity

CONTROL YOUR POWER SOURCES!

Automatic transfer Switch controllers are designed for quick and safe automatic transfer of load from one source to another by controlling automatic transfer switch, contactors, circuit breakers or other motorised switch gears.

ATS controllers are a vital part of electrical systems and is a device which tells the generator when to start & when to turn off, when the primary power source is unavailable.

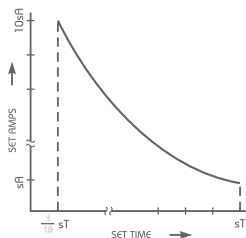
Features :

- Intelligent automatic changeover control
- Under/Over Voltage protection for Source I & Source II
- Phase sequence/ unbalance current protection for Source I & Source II
- Monitor and displays VLL, VLN and Hz for Source I & Source II (C40)
- Monitor and displays A, KVA and KVAh for Source I & Source II (M40)
- Monitor and displays ON hour and Number of power interruptions via RS485
- Programmable 1phase/3phase healthy selection for primary source
- Programmable feature is provided to choose Source I or Source II as priority
- Configurable timer for generator start, transfer delay, restore delay and generator cooling time
- Universal power supply of 8-60VDC
- 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 (M40)
- Optional built in AC Power Supply of 80-300 V AC taken from R Phase
- Optional monitoring of A, kVA, and KVAh 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

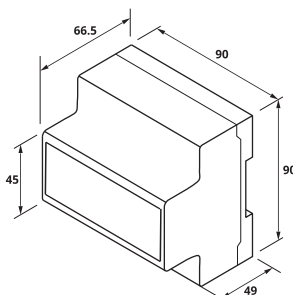
SOURCE I / SOURCE II PROTECTION

- Under / Over Voltage
- Single Phase missing
- Phase sequence
- Under / Over Frequency
- Over Current & Current unbalance (M40)

Inverse Curve:



Mechanical Specification:



Benefits:

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

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)V DC (Optional 80-300VAC 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	

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)	

Application:

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