



ATS Controller MP-C40

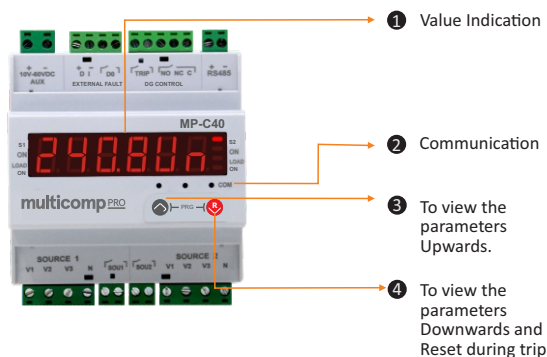


1. FEATURES

- Intelligent Micro-processor automatic transfer switch controller.
- Configurable timer for generator start, transfer delay, restore delay and generator cooling time.
- Programmable 1phase/3phase healthy selection for primary source.
- Reliable and field proven mechanism can provide you under voltage and overvoltage protection for your power sources.
- Monitor and displays VLL, VLN and Hz for Source I & Source II.
- RS485 and add-on TC-IP Ethernet Gateway.
- Digital input relay for fire alarm or other inputs of standby generator.
- Optional built-in AC Power Supply of 80-300 V AC taken from R Phase.



2. KEY & LED INDICATION



3. PROGRAMMING MODE

3.1 Programming Keys



To select / Edit & save Value



To decrement value

3.2 Setup Procedure

Press DOWN + UP to enter setup mode.

Enter Password (default 1000) blinking of digit indicates Edit is possible.

Press UP to decrement value from 9 to 1.

Press DOWN to move to the next digit till 4th digit.

If Password is correct, editing is possible.

Enters into Setup mode and meter display's VA Selection

Press UP to view and press DOWN to edit the parameter.

Press UP to decrement values or to select from available options.

Press DOWN to save the value of the parameter.

Press UP to edit next till end of last parameter and parameter display screen will prompt **SAVE** display reads **y** (YES).

Press UP to change to **n** (NO).

Press DOWN to save.

3.3 Clear Mode :

Press DOWN key	Display shows CLr.n. (with 'n' blinking) press UP key to change the options to 'Y' or 'n'.	Option : (YES)/(NO) 'y' (for clearing) 'n' (for not clearing)
Press DOWN key	Displays xxxx (Clear Mode ends here)	

3.4 Display

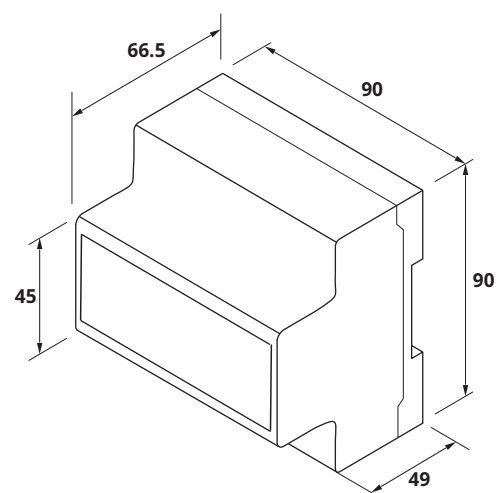
Programming Parameter	Default	Option/Range
VA selection (UA) (vector harmonics)	UECHUA	Vector Harmonic / Vector/ Arithmetic
Baud rate (bA)	9600bA	2400,4800,9600,19.2K,38.4k
Parity (Pr)	EVENPr	Even/ no/ Odd
Device Id (dU.)	1000dU	1.000 to 247.0
Password (PW)	----PY	1000 to 9999
Energy (EN)	COUNEN	(rESL / COUN)
Energy Selection(ES)	Wh ES	Wh/VAh
S1/S2 Under voltage(VL)	1800VL	100V to 260V
S1/S2 Over voltage(VH)	2600VH	130V to 330V
Generator start	EnbLGE	enable/disable
Generator start time	1000GE	3 to 9999
Transfer delay	5000Td	3 to 250sec
Cooling time	3000CT	3 to 600sec
Restore delay	5000rd	1 to 60sec
Source parity	S1C.1SP	S1/S2*
S1 Phase Selection	3Ph S2	3.ph/1.ph
Delay Time	2000dT	1 to 180sec
S2 Phase Selection	ALL.3.51	ALL.3./Any.1

3.4 Enabling and Disabling Auto Scrolling

Press UP Key for 5 Secs. Display shows **EnbLAW** Again press any key to disable. Display shows : **dsbLAW**



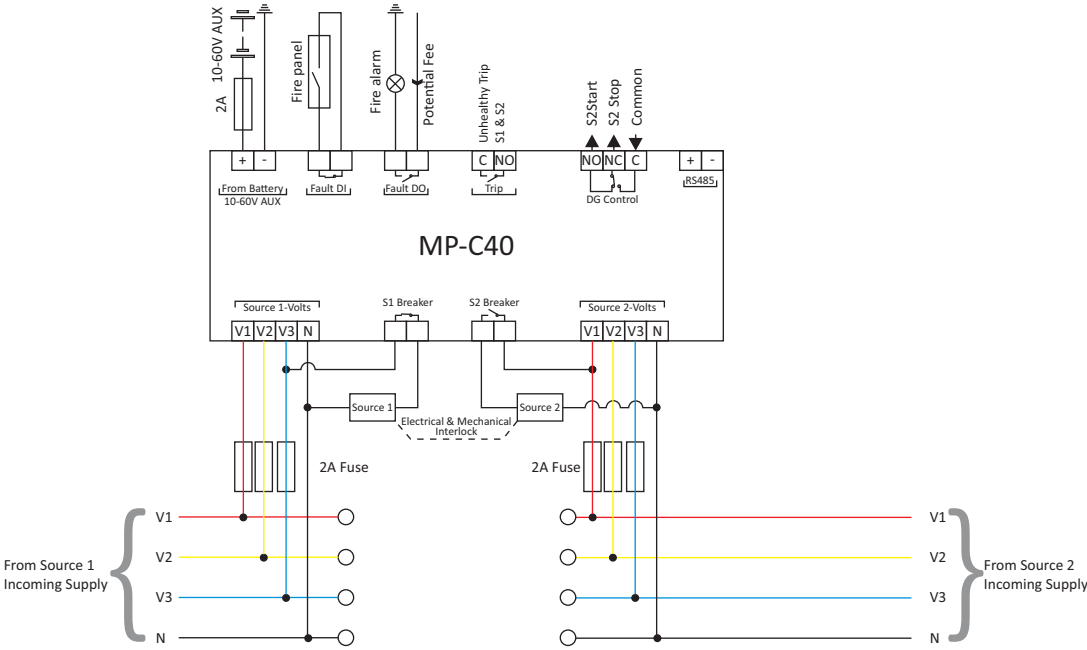
4. MECHANICAL SPECIFICATION:





5. TYPICAL WIRING DIAGRAM

ATS Controller MP-C40 Typical Circuit Diagram for ATS Motorized/ Contactor Based/2 Position Solenoid



Note: Terminals Suitable for 22-16 AWG
0.6mm - 1.3mm Field Wiring
Tightening Torque = 0.8Nm



CAUTION

During normal operation of this instrument, hazardous voltages are present at the rear terminals, which may cause injury or death. Installation, disconnection or removal of the meter should be carried out only by qualified, trained personnel, after de-energizing connected circuit. The warranty will become void incase the seal is broken, improper installation as well as improper grounding.



multicomp PRO

Premier Farnell UK Ltd
150 Armley Road,
Leeds, LS12 2QQ
United Kingdom