

Matters needing attention

- 1.The equipment must be installed by qualified professionals.
- 2.Before operating the device, disconnect all power supplies and do not touch any terminal when the power supply is connected.
- 3.Verify that terminals are properly connected.
- 4.Do not use the equipment in places that may be corroded by gas, strong sunlight and rain.
- 5.Clean equipment with a dry cloth.
- 6.Failure to comply with these instructions will result in serious injury or serious accident.

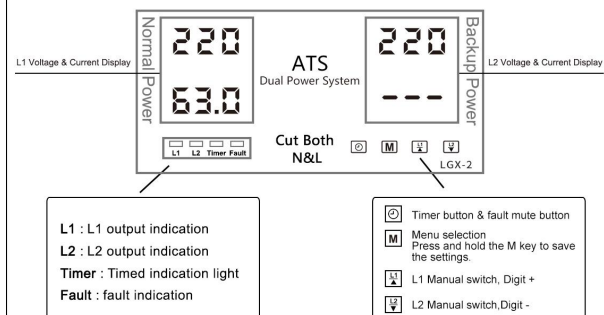
Product characteristics

- Automatic Transfer Switch: with "priority" phase
- Microcontroller-based.
- Digital display of working voltage, current.
- Measurement accuracy is 0.5 class.
- Key setting parameter.
- Can set the priority phase sequence.
- DIN rail mounting.

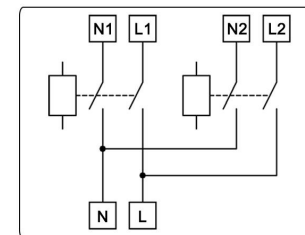
Technical data

Rated supply voltage	AC 2*110V/220V	Mechanical life	10 ⁶
Operating voltage range	AC 80-300V	Protection class	Ip20
Rated frequency	50/60Hz	Pollution degree	3
Hysteresis	Overvoltage:5V Undervoltage:5V	Altitude	<2000m
Measurement accuracy	0.5 class	Operating temperature	-5℃~40℃
Rated insulation voltage	450V	Humidity	≤50%or40℃
Output contact	1NO	Storage temperature	-10℃~55℃
Electrical life	10 ⁶	Product size	63A:90*96*67mm 100A:90*103*67mm

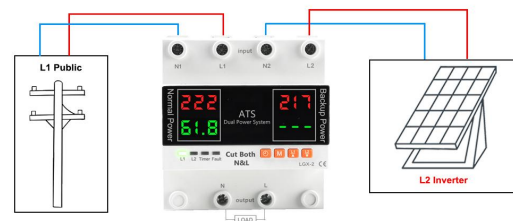
Display panel



Electrical symbol diagram



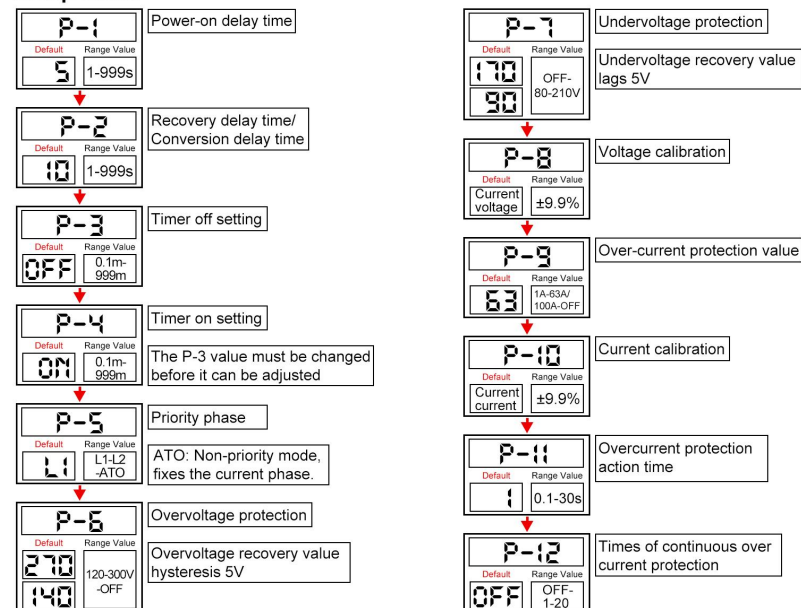
Wiring diagram



Program Description

Set character	Technical parameter	Set range	Default value	Step forward	Function description
P-1	Power-on delay time	1S-999S	5S	1S	After external power cut, the time needed for power-on when power recovery.
P-2	Recovery/Switch Time	1S-999S	10S	1S	Is the time required for the line to return to normal or switch to a working line.
P-3	Timed off	OFF-0.1m-999m	OFF	0.1m	Can be used to time off the device
P-4	Timed on	ON-0.1m-999m	ON	0.1m	The P-3 timer off parameters must be changed before the timer on parameters can be adjusted.
P-5	Input phase priority selection	L1-L2 -ATO	L1	1	Operating mode: When L1 or L2 is selected, it's a priority phase selection; ATO: Non-priority mode, fixed to the current phase.
P-6	Over-voltage protection value	120V-300V -OFF	270V 140V	1V	When the voltage of one phase is over the set value, the protector will cut off this phase and switch to the next phase according to the sequence set in P5. When all voltage is over the set value, the protector will cut off all lines.
P-7	Under-voltage protection value	OFF-80V-210V	170V 90V	1V	When the voltage of one phase is under the set value, the protector will cut off this phase and switch to the next phase according to the sequence set in P5. When all voltage is under the set value, the protector will cut off all lines.
P-8	Voltage calibration	±9.9%	0	0.1%	Correct the voltage error.
P-9	Over-current protection value	1A-63A/100A -OFF	63A 80A	1A	When the current is higher than the set value, the protector will cut off the line. When setting OFF, the protector will turn off over-current protection function.
P-10	Current calibration	±9.9%	0	0.1%	Calibrate current current value
P-11	Overcurrent protection action time	0.1S-30S	1S	0.1s	When over current, the time needed for protection action.
P-12	Times of continuous over current protection	OFF-1-20	OFF	1	When The times of continuous over-current protection exceeds the set value, the protector will cut off the line, then it needs to be opened manually.
P-13	Temperature protection	40℃-120℃	90℃	1℃	After temperature protection, the hysteresis value is restored to 10℃.

Setup Menu



P-13	Temperature protection
Default	Range Value
90	40-120℃
	Temperature recovery value hysteresis 10℃

End

Fault Description

Display	illustrate
OC	Overcurrent
HT	high temperature
TIN	Timed