

# Brief Introduction

# TU508B ATS Controller

## Main Features:

TU508B controller is an auto-transfer controller integrated measure/display, control, and three-remote function. This controller is used for auto-transfer control for two power supply system between Mains and Gen, Mains and Mains, or Gen and Gen.

It has the following functions:

- Micro-computer control, complete digital technology
- Configure the running mode of the controller according to the panel keys.
- According to the LED indicate the running status and running mode of the controller directly.
- Display the measuring data including voltage and frequency by LED.

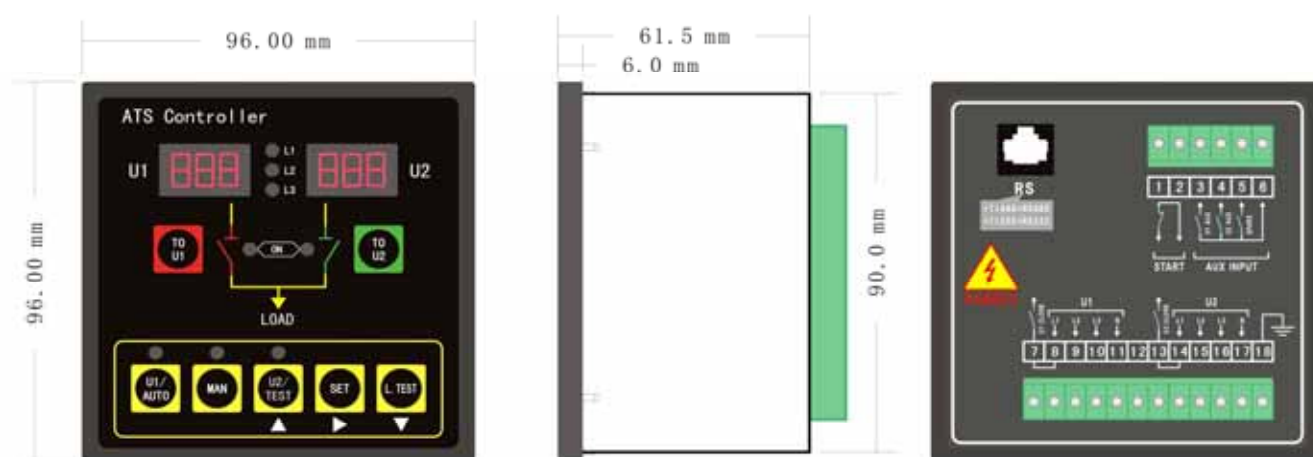
## Technical parameters:

<b>Data measured and displayed</b>	
U1 normal power supply Side Voltage L1-N, L2-N, L3-N	
U1 normal power supply Side Frequency Hz	
U2 standby power supply Side Voltage L1-N, L2-N, L3-N	
U2 standby power supply Side Frequency Hz	
<b>Panel Key and Indicator</b>	
U1/AUTO key/indicator (running mode)	
MAN key/indicator (running mode)	
U2/TEST/▲ key/indicator (running mode)	
L. TEST/▼key (Test Light/Fault Reset)	
SET▲ key (Configure Parameters )	
U1 Power Supply Indicator	
U2 Power Supply Indicator	
<b>Switch Input</b>	
Normal Side Switch Closed Signal	
Standby Side Switch Closed Signal	
Remote Start-up Signal	
<b>Output of relay</b>	
Mains Side Switch Closed Controlling Output	
Gen. Side Switch Closed Controlling Output	
Genset Start-up Signal	
<b>Configurable operating parameters</b>	
Communication address(1~255)	
Low voltage value of U1 power supply (AC145~220V)	Low voltage value of U2 power supply (AC145~220V)
High voltage value of U1 power supply (AC220~265V)	High voltage value of U2 power supply (AC220~265V)
Low Frequency value of U1 power supply (45~55Hz)	Low Frequency value of U2 power supply (45~55Hz)

High Frequency value of U1 power supply (50~60Hz)	High Frequency value of U2 power supply (50~60Hz)
Confirming time of fault delay of U1 power supply (0~250sec)	Confirming time of fault delay of U2 power supply (0~250sec)
Delay time of U1 power supply (0~250sec)	Delay time of U1 power supply (0~250sec)
	Coolant Delay Time of U2 Power Supply (0~999sec)
<b>Other parameters</b>	
Operating voltage: AC185~265V	
Consume < 3W	
Measuring AC voltage input 75~300V(ph-N) Virtual Value Accuracy 0.5	
Ambient Temperature -20~50	
Frequency Measuring Range: 45~65Hz	
Switch Control Relay Output: 10A/250VAC	
Aux. Relay Output 5A/250VAC/30VDC	

## Dimension

Operation Panel	W96mm × H96mm
Install Hatch	W92mm × H92mm
Thickness	D61.5mm



Typical Wiring Diagram:

