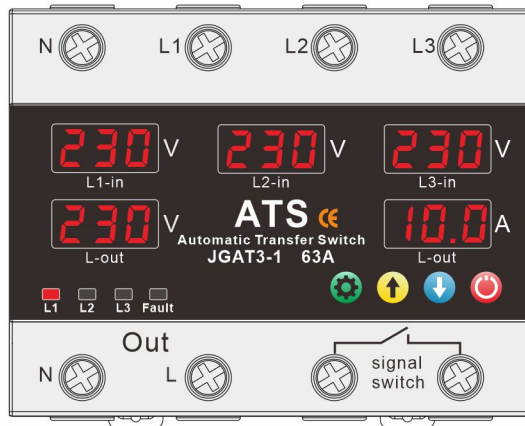




Intelligent automatic transfer switch

JGAT3-1

Manual

Wenzhou Jiangguang Electric Technology Co., Ltd

Intelligent Automatic Transfer Switch JGAT3-1

Introduction

Multiple Power Source Management: This 3-way automatic transfer switch has 3pcs power input interfaces, including mains electricity (primary power source), generator and an inverter. When the main power supply fails, voltage instability or other issues, this switch can automatically detect and switch to the next available power source to ensure uninterrupted power supply.

Flexible Parameter Adjustment: You can set the voltage and frequency range according to its needs to trigger automatic switching. Comes with instructions to debug your transfer switch according to the instructions. Including power-on delay time, protection recovery delay time, overvoltage protection value, undervoltage protection value, overcurrent protection, priority phase, overcurrent protection action time, continuous overcurrent protection frequency

Real-time monitoring: With 5 LED display screens and 4 indicator lights, easy to clearly know which circuit is currently responsible for power supply or whether there is an error. It provides real-time input voltage and output current status, monitors the performance of the power supply equipment and performs necessary Adjustments to help you make power switching decisions, such as switching to a generator or inverter when mains power is unstable

Comprehensive Safety Protection: It has multiple safety protection features, including low-voltage protection, overvoltage protection, overcurrent protection, etc. These not only enhance power stability and reliability but also protect connected devices from power-related issues, reducing potential hazards associated with power problems

Wide Applicability: With 2-way backup power source interfaces, it is compatible with most generators, solar panels and other power supply devices with an output voltage . Suitable for various application scenarios, including home backup power systems, commercial buildings, industrial equipment, etc., providing a reliable power switching solution in different fields

Product Features

1. Automatic transfer switch: with "priority" stage
2. Based on microcontroller
3. Set parameters through buttons

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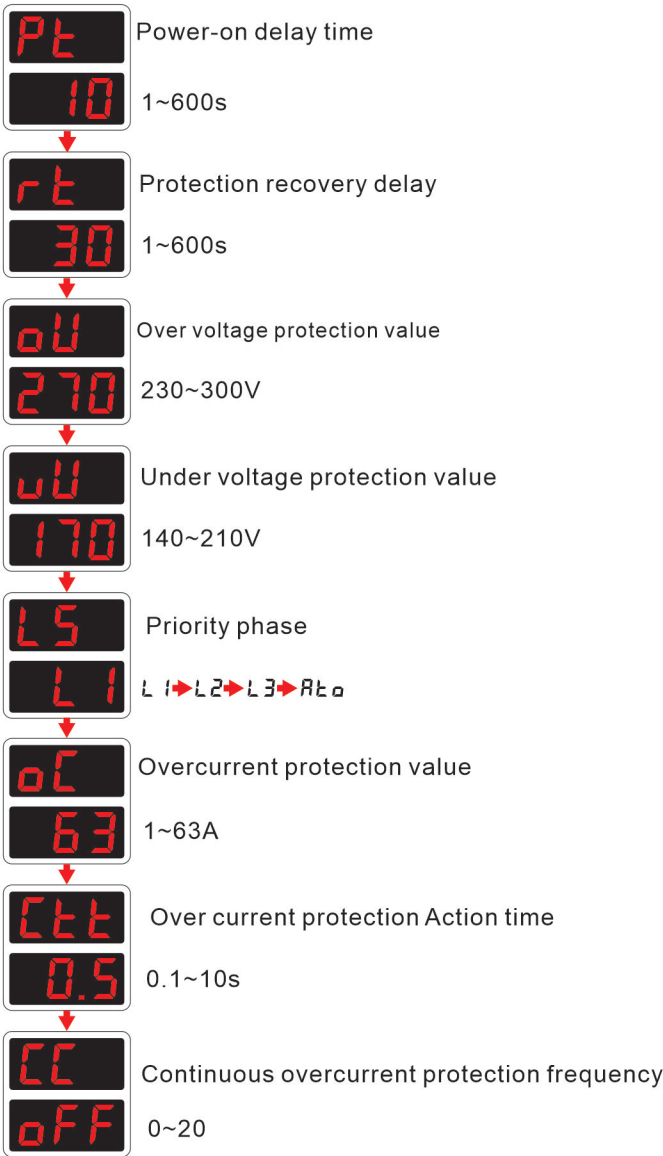
- 4. Overvoltage and undervoltage protection
- 5. Overcurrent protection
- 6. LED working voltage indication
- 7. Rail installation

Technical data

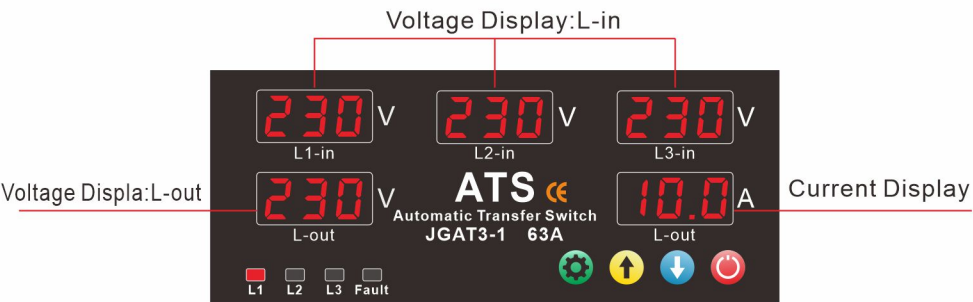
Supply terminals	N,L1,L2,L3
Rated supply voltage	AC 3×220V(N-L1/L2/L3)
Rated frequency	40/50/60/70Hz
Umax setting range	230-300V
Umin setting range	140-210V
Auto-reclosing delay(Ton)	1-600s
Return delay to priority phase	1-600s
Switch delay to reserve phases	<0.2s
Voltage hysteresis	5V
Overvoltage trip delay	0.1s;≥350V: 0.02s
Undervoltage trip delay	0.1s;≥350V:0.02s
Voltage accuracy	<1%
Max.operating phase voltage	350V
Rated operating current	63A,80A,100A
Max.operating current	80A,90A,100A
Pollution degree	3
Electrical life	10 ⁵
Mechanical life	10 ⁶
Altitude	≤2000m
Ambient temperature	-25℃~+50℃
Permissible relative humidity	≤50% at 40℃(without condensation)
Storage temperature	-25℃~+55℃
Conductor size	1mm ² -25mm ²

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Setup menu



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- L1: L1 output indication
 - L2: L2 output indication
 - L3: L3 output indication
 - Fault: fault indication
- Menu selection/Reset
- Digit+
- Digit-
- Manual ON/OFF

Wiring diagram/Dimensional Drawing

