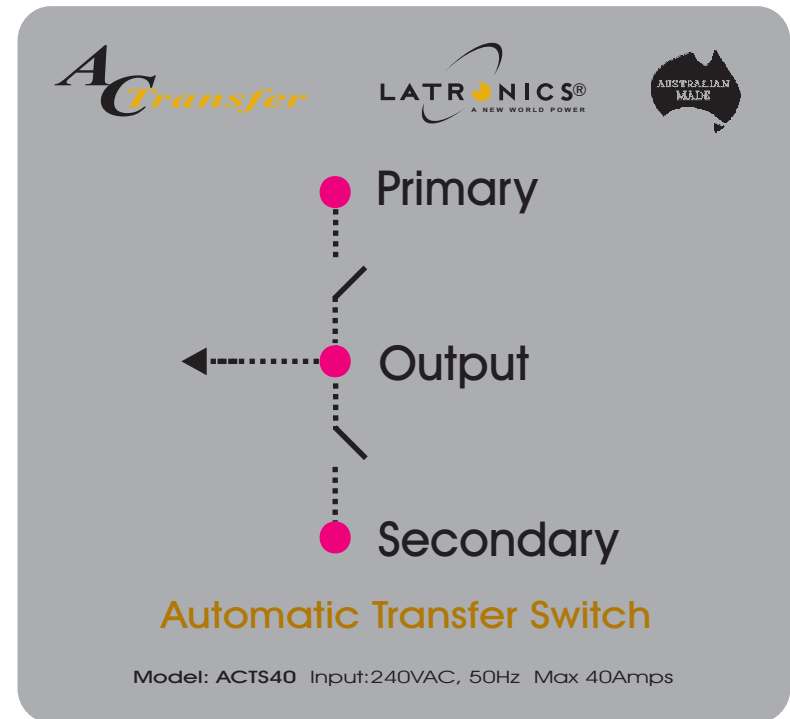


# INSTRUCTION MANUAL



# ACTS40

**40A - 2 WAY  
AC TRANSFER SWITCH**

**LATRONICS®**  
A NEW WORLD POWER

## **WELCOME**

*Latronics* products are all proudly designed, engineered and manufactured in Australia. As a specialist renewables company we produce products for a diverse range of applications such as; mining, railways, telecommunications, marine, remote power, motor homes, and other industrial or commercial installations.

In order to produce the most reliable products available, *Latronics* products have been designed to endure the most rugged terrain and the harshest conditions across the Australian continent.

All products are engineered using the latest high quality components and manufactured to stringent quality standards, thus ensuring *Latronics* customers all enjoy many years of trouble free operation.

It is important to us at *Latronics* that our clients enjoy the maximum benefits from our products in a safe and productive environment. So we strongly advise that you read through this manual, which explains all the modes of operation and relevant safety precautions for your new Transfer Switch.

**Please remember to complete the online warranty registration to validate your warranty. Please also retain your receipt as proof of purchase.**

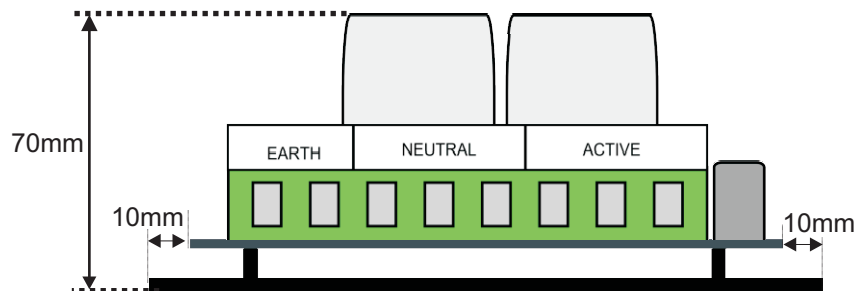
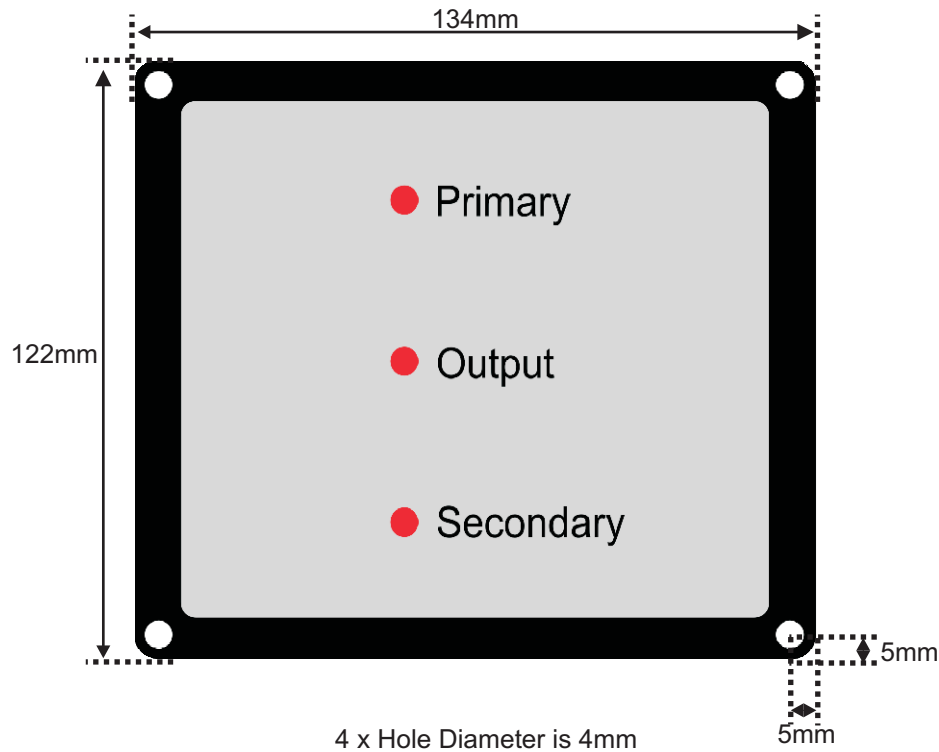
**If your transfer switch requires service, please complete the online form or contact us on the details below.**

*LATRONICS*  
*PO BOX 73*  
*MOFFAT BEACH Q 4551*  
*PH: 61 7 5491 6988    FAX: 61 7 5491 6792*  
*EMAIL: technical@latronics.com.au*  
*WEB: www.latronics.com.au*

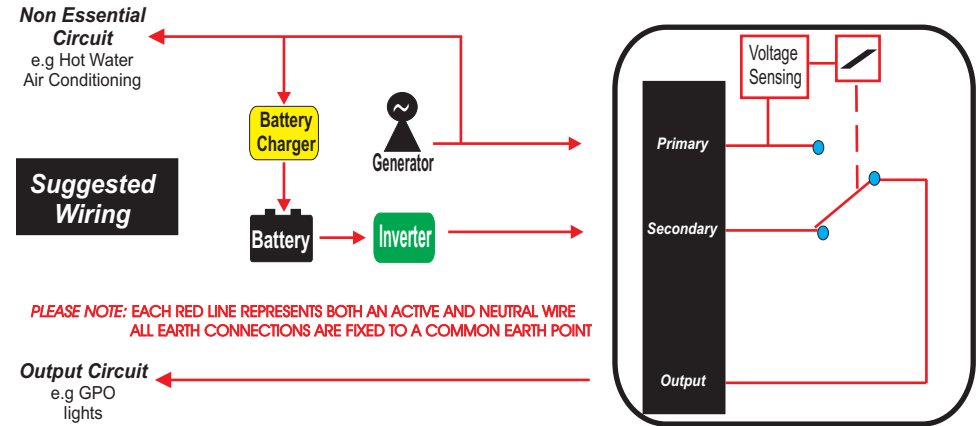
## **ACTS40PM MOUNTING TEMPLATE**



# ACTS40PM Dimensions



## BASIC OPERATION



### Switching Priorities

The output is connected to the relevant AC input according to the associated priority, i.e. If both sources are present the output would be connected to primary input. When the primary input is disconnected, the output is then connected to the secondary input

### Double Pole Switching

All switching is double pole (switching active and neutral) and complies with marine and mobile wiring standards.

### Suitable for use with Computers

The ACTS40 is suitable for use in a UPS system. The switching time is approximately 12ms

### Installation Note

All inputs and outputs must be appropriately fused in accordance to local regulations

### Special Features of the Primary Input

The Primary input has voltage sensing and time delays specifically designed for Generator use. The Generator input voltage must be within the voltage window and there is a time delay to ensure the Generator has warmed up and the voltage is stable before being switched to the output. The voltage is continuously monitored and in the unlikely event it becomes unstable and goes outside the limits, the output will be transferred to another source until the Generator voltage stabilises. These delays and the voltage limits can be changed via the jumper switches located on the transfer switch board. These are listed overleaf.

## Primary input settings

OFF  
FAST FLASH  
SLOW FLASH

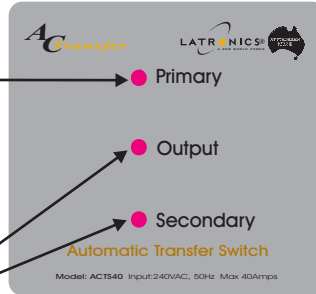
### AC1 Indicator

No Power present.  
AC Voltage out of range.  
AC Voltage OK and Delay Timer  
ON 1 Flash per second.  
Power switched through to Output.

ON

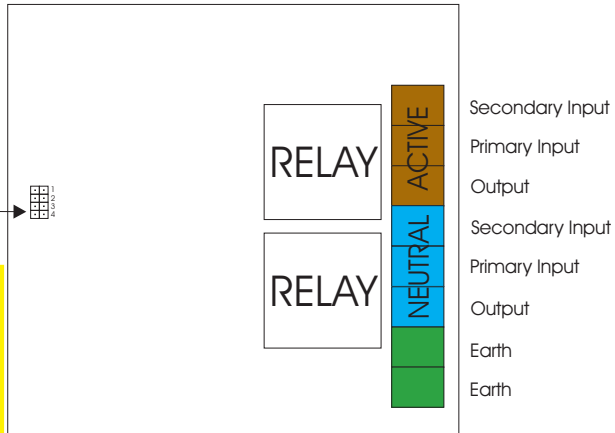
### Indicators

OFF No Power present.  
ON Power Available



## Adjustable Settings for Primary Input:

Jumper	Voltage Window	Time Delay
1	170V - 280V	5 sec
2	210V - 270V	5 sec
3	170V - 280V	30 sec
4	210V - 270V	30 sec



**Warning**  
Due to dangerous voltages, it is important that all AC wiring complies with the relevant wiring standards. Any AC/Mains wiring and jumper changes must be carried out by qualified and licensed Personnel only.

## Specifications

Model	ACTS40	ACTS40-PM
Maximum AC Current	40A	
Number of AC Inputs	2	
Input Voltage	180VAC - 280VAC	
Operating Temperature	-10° to +50°C	
AC Connections	Screw Terminal Block (Max wire size 20mm <sup>2</sup> )	
Transfer Time	Approximately 12ms	
Enclosure	Flame retardant PVC	No Enclosure (Panel Mount)
Standards	AS3100, C-Tick	
Weight	1kg	0.6kg
Dimensions	170mm x 135mm x 95mm	134mm x 122mm x 70mm
Warranty	2 Years	

## ACTS40 Dimensions

