

# ATS-PLC

**Programmable Automatic Transfer Switch (ATS) Controller**  
User-Friendly Instrumentation & Protection

## Features

- Micro-Processor Based Design
- Compact Size with 5.7" Colorful Screen
- Simple Touch Panel for Programming & Operation\*1
- Provides Volt / Freq Monitoring & Protection for Both Normal & Emergency Sources
- Provides Reverse Phase Sequence Monitoring & Protection
- Provides Over current or Short Circuit Monitoring & Protection
- Transfer Fail Alarm, Pre-exerciser or Pre-transfer Signal Output
- Optional USB / RS485 / Ethernet Remote Communication Functions
- Built-in 1 to 4 Weeks Exerciser Timer
- Multi-language Support

\*1 There is no need for PC connection or software--all operation can be done directly on touch panel.



ATS-PLC

## Colorful Touch Screen Specifications

- Display Type : a-Si TFT
- Display Size : 5.7" Diagonal
- Resolution : 640 x RGB x 480
- Color Depth : 262K
- Pixel Size : 0.18 x 0.18 mm
- Active Area : 115.2 x 86.4 mm (W x H)
- Backlight Type : LED

## Specifications

<b>Power Supply Voltage</b>	7~60 VDC
<b>Voltage Measurement Range</b>	80~550 VAC 50/60 Hz
<b>Frequency Measurement Range</b>	45~70 Hz
<b>Generator Start Relay</b>	7A @ 250 VAC Max.
<b>Transfer to Normal Relay</b>	7A @ 250 VAC Max.
<b>Transfer to Standby Relay</b>	7A @ 250 VAC Max.
<b>Alarm Output Auxiliary Relay</b>	7A @ 250 VAC Max.

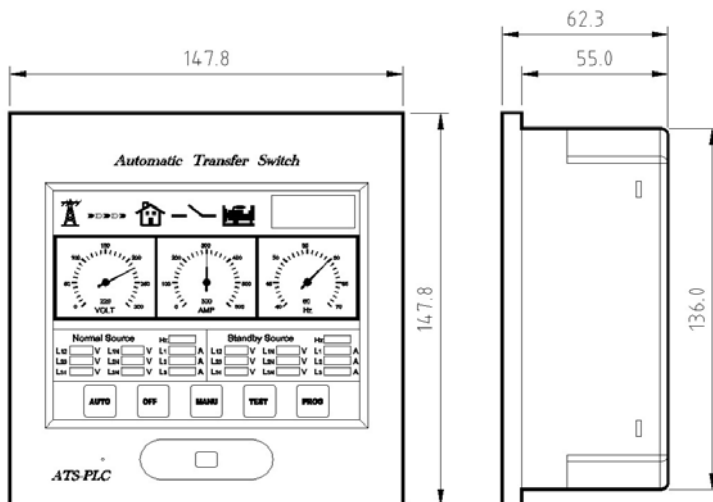
## Full Phase Voltage & Frequency Monitoring

- Over Voltage adjustable range 110~550 VAC
- Under Voltage adjustable range 80~470 VAC
- Over Frequency adjustable range 51~70 Hz
- Under Frequency adjustable range 45~59 Hz

## Environment

<b>Operating Temperature</b>	-20~70 °C
<b>Storage Temperature</b>	-30~80 °C
<b>Relative Humidity</b>	Maximum 90%

## Mechanical Specifications (Unit : mm)



## Adjustable Timers

<b>TDNE</b>	0~300 Sec.
<b>TDES</b>	0~300 Sec.
<b>TDEN</b>	0~300 Sec.
<b>TDEC</b>	0~300 Sec.
<b>TDOFF</b>	0~60 Sec.
<b>Engine Exerciser Test Period</b>	0~120 Sec.
<b>Exerciser Test Cycle</b>	1~4 Weeks

## Physical Specification

<b>Panel Cut-Out</b>	136.5 x 136.5 ±0.5 mm
<b>Dimensions</b>	147.8 (L) x 147.5 (W) x 62.3 (H) mm
<b>Weight</b>	750 g ±2%