

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.



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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

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

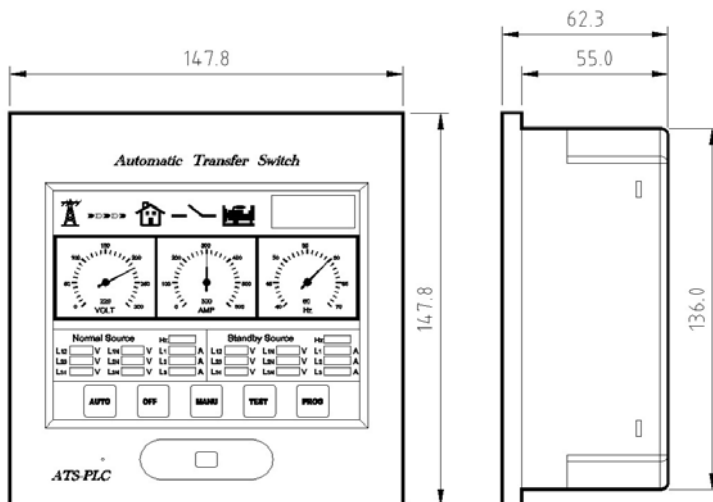
Full Phase Voltage & Frequency Monitoring

- 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

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

Mechanical Specifications (Unit : mm)



Adjustable Timers

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

Physical Specification

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