

# ATS-01

## Programmable Automatic Transfer Switch (ATS) Controller

User-Friendly Instrumentation & Protection

### Features

- Micro-Processor Based Design
- Compact Size with User-Friendly LED Display
- Simple Push Button Programming & Operation\*1
- Provides 3 or 1 Phase Volt. / Freq. Monitoring & Protection
- For Both Normal & Emergency Sources
- Transfer Fail Alarm, Pre-exerciser or Pre-transfer Signal Output
- Remote Engine Start Signal
- Built-in Weekly Exerciser Timer
- No Generator Battery Connection Needed\*2



### 4 Digit 7 Segment LED Display

- Programmable display with 3 phase voltage & frequency
- Internal program settings & status display
- TDEN, TDNE & TDEC real time countdown display

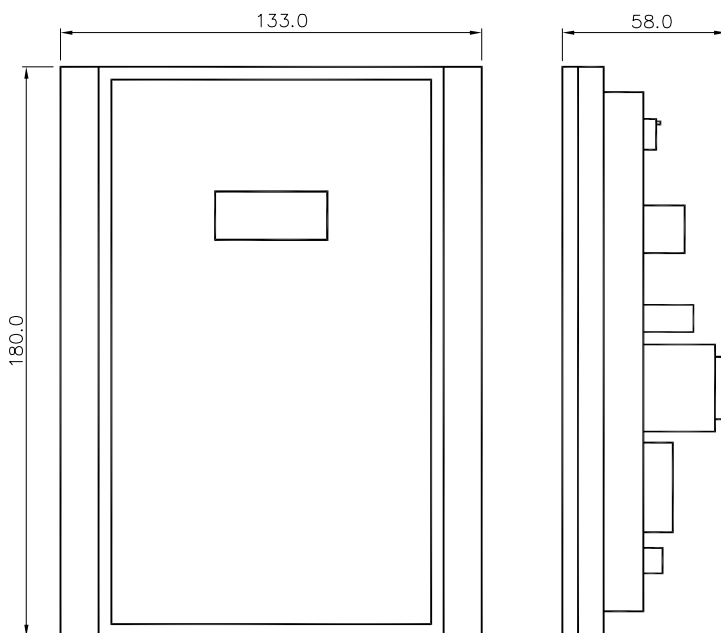
### User-Friendly Status LED Display

- Display AUTO/TEST Status
- Over / Under Volts & Freq. ( Both Normal & Emergency)
- Display Real Time Power Loop

### All 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

### Mechanical Specifications (Unit : mm)



### Specifications

<b>Input Control Voltage</b>	160~260 VAC 50/60 Hz
<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>	0.5A @ 120 VAC / 1.0A @ 24 VDC

### Environment

<b>Operating Temperature</b>	-20~70 °C
<b>Storage Temperature</b>	-35~85 °C
<b>Relative Humidity</b>	Maximum 90%

### Adjustable Timers

<b>TDNE</b>	0~300 sec.
<b>TDES</b>	0~30 sec.
<b>TDEN</b>	0~300 sec.
<b>TDEC</b>	0~300 sec.
<b>Pre-transfer Signal</b>	1~99 sec.
<b>Pre-exerciser Signal</b>	1~99 sec.
<b>Engine Exerciser Test Period</b>	1~60 min.

### Physical Specification

<b>Panel Cut-Out</b>	113.0 x 168 ±0.5 mm
<b>Dimensions</b>	180.0 (L) x 133.0 (W) x 58.0 (H) mm
<b>Weight</b>	1100 g ±2%

\*1 There is no need for PC connection or software--all operation can be done directly on ATS-01 front panel.

\*2 Program settings are auto-saved into memory and will remain saved even when power is disconnected.

