

# ATS-342

## Redundant Automatic Transfer Switch (ATS) PLC Controller

Graphical user interface & LED display design

### Features

- Micro-processor based & Polycarbonate front panel
- Compact size with large friendly LED display
- Push button programming & operation<sup>\*1</sup>
- Program settings are Auto-saved into internal EEPROM remaining in memory even with no battery power
- Provides full phase voltage & frequency monitoring & protections for both backup generators
- Optional [Modbus / Ethernet remote communication](#)
- APP to monitor and operate the ATS & gensets directly from smart phone
- Programmable setting of running time of generators
- Compatible with almost all type of ATS switches
- Front panel display provides source status and fail alarm indications



\*1 All functions can be directly operated on ATS Controller, no need to connect PC or use the other software.

### User-Friendly 7 Segment & Status LED Display

- 3 phase real time voltage & frequency display
- Generator duty time display
- Engine warm-up and cooling countdown display
- Internal program settings & status display
- Display Auto / OFF / Bypass status
- Over / Under voltage & frequency alarm (both generators)
- Display real time power loop

### Specifications

<b>DC Power Supply Voltage</b>	8 to 40 Vdc
<b>AC Voltage Input</b>	50 to 500 Vac
<b>Frequency</b>	50 / 60 Hz
<b>Remote Start Contact</b>	7A @ 250 Vac Max.
<b>G1 ON Contact</b>	7A @ 250 Vac Max.
<b>G2 ON Contact</b>	7A @ 250 Vac Max.
<b>Alarm Output Contact</b>	7A @ 250 Vac Max.

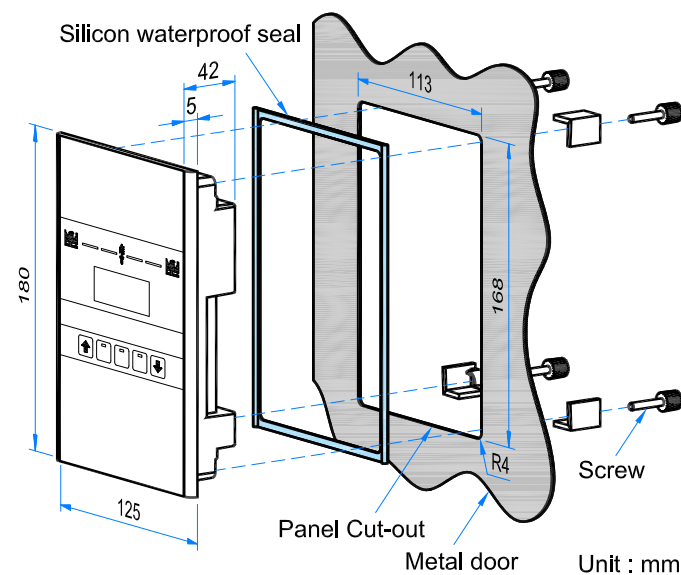
### Full Phase Voltage & Frequency Monitoring

<b>Over Voltage Adjustable Range</b>	110 to 500 Vac
<b>Under Voltage Adjustable Range</b>	80 to 470 Vac
<b>Over Frequency Adjustable Range</b>	51 to 70 Hz
<b>Under Frequency Adjustable Range</b>	45 to 59 Hz

### Environment

<b>Operating Temperature</b>	-20 to +60 °C
<b>Storage Temperature</b>	-30 to +80 °C
<b>Relative Humidity</b>	Max. 90%

### Dimensions



### Adjustable Timers

<b>Duty Time</b>	0 to 250 hours
<b>Time Delay From G1(2) to G2(1)</b>	0 to 250 seconds
<b>Engine Cooling Time for Both Gensets</b>	0 to 250 seconds
<b>Time Delay Center OFF</b>	0 to 99 seconds
<b>Time Delay G1 Volt &amp; Freq. Abnormal</b>	0 to 99 seconds
<b>Time Delay G2 Volt &amp; Freq. Abnormal</b>	0 to 99 seconds

### Physical Specifications

<b>Panel Cut-Out</b>	168.0 x 113.0 +/- 0.5 mm
<b>Dimensions</b>	180.0 (W) x 125.0 (L) x 42.0 (H) mm
<b>Weight</b>	495 g +/- 2%

