

ATS-34

Redundant Automatic Transfer Switch (ATS) PLC Controller
With Touch Screen & large LED Display

Features

- Micro-processor based with full glass front control panel
- Smart m-Touch sensing touch screen
- Compact size with large friendly LED display
- Capacitive touch key programming & operation*1
- Program settings are Auto-saved into internal memory remaining in memory even with no battery power
- Provides 3 or 1 phase voltage & frequency monitoring & protections for both backup generators
- Transfer fail and start fail with dry contact alarm outputs
- Optional USB / RS485 / Ethernet remote communication
- APP to monitor and operate the ATS & gensets directly from your smart phone or PC
- Provisions for switching the primary genset automatically over time



*1 All control operations are done directly on front panel touch screen or from a remote PC or smart phone connection using our free APP

User-Friendly 7 Segment & Status LED Display

- Programmable display with 3 phase voltage & frequency
- Programmable duty time
- 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

DC Power Supply Voltage	8~60 VDC
AC Voltage Input	50~500 VAC
Frequency	50/60 Hz
Remote Start Contact	7A @ 250 VAC Max.
G1 ON Contact	7A @ 250 VAC Max.
G2 ON Contact	7A @ 250 VAC Max.
Alarm Output Contact	7A @ 250 VAC Max.

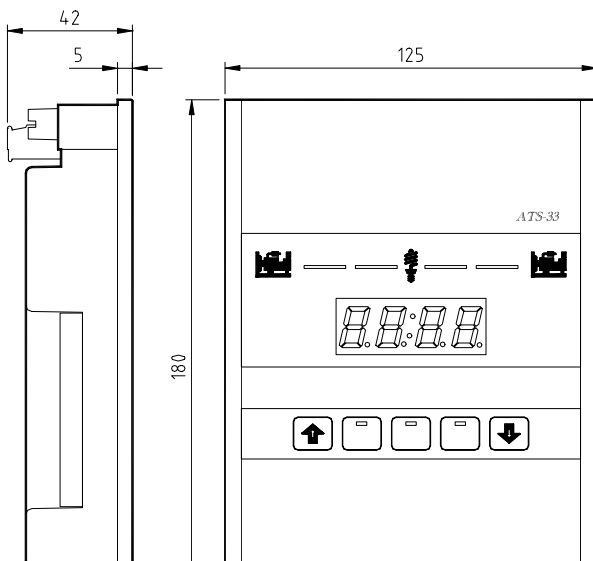
Full Phase Voltage & Frequency Monitoring

Over Voltage Adjustable Range	110~500 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

Duty Time	0~250 hours
Time Delay From G1(2) to G2(1)	0~250 sec.
Engine Cooling Time for Both Gensets	0~250 sec.
Time Delay Center OFF	0~99 sec.
Time Delay G1 Volt & Freq. Abnormal	0~99 sec.
Time Delay G2 Volt & Freq. Abnormal	0~99 sec.

Physical Specification

Panel Cut-Out	112.0 x 167.0 ±0.5 mm
Dimensions	125.0 (L) x 180.0 (W) x 42.0 (H) mm
Weight	495g ±2%