

ATS-380

Programmable Automatic Transfer Switch (ATS) Controller

For 380V System Use Only*1

User-Friendly Instrumentation & Protection

Features

- Micro-Processor Based Design
- Compact Size with User-Friendly LED Display
- Simple Push Button Programming & Operation*2
- 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*3



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

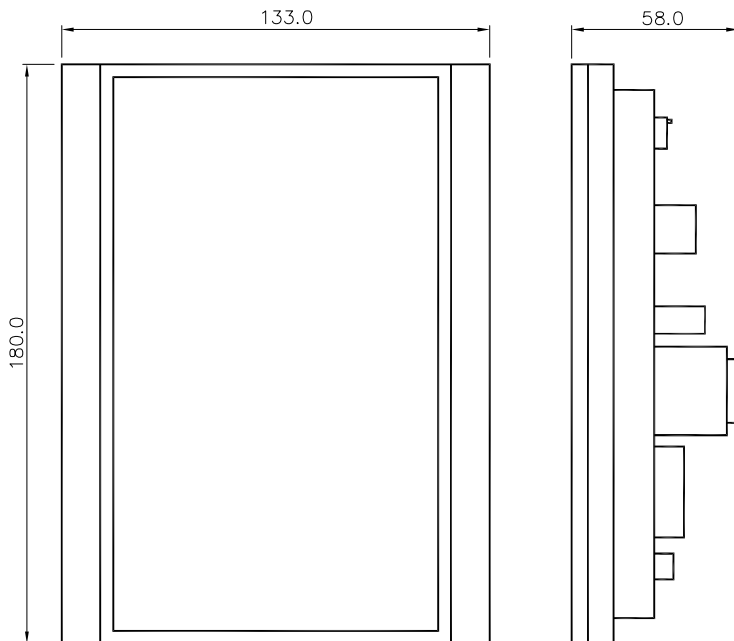
User-Friendly Status LED Display

- 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 390~480 VAC
- Under Voltage adjustable range 280~370 VAC
- Over Frequency adjustable range 51~70 Hz
- Under Frequency adjustable range 45~59 Hz

Mechanical Specifications (Unit : mm)



Specifications

Input Control Voltage	280~480 VAC	50/60 Hz
Voltage Measurement Range	280~480 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	0.5A @ 120 VAC / 1.0A @ 24 VDC	

Environment

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

Adjustable Timers

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

Physical Specification

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

*1 When the system voltage is different from 380 VAC, please use ATS-01 programmable ATS control module.

*2 There is no need for PC connection or software--all operation can be done directly on ATS-380 front panel.

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

