

# ATS-220

Programmable PLC - ATS Controller used as a Universal substitute ATS switch manager to restore old, damaged or obsolete ATS control logics. This new logic is compatible with most types of Motorized, Solenoid, and Magnetic contactor type ATS working at 120Vac

## Features

- Micro-Processor Based Design
- Compact Size with User-Friendly LED Display
- Simple Operation and Programming\*
- 1 or 3 ph Monitoring & Protection
- Transfer Fail Alarm Signal Output
- Pre-transfer & Pre-exerciser Signal Output
- Build-in One Week Exerciser Timer

\*There is no need for PC connection & software--all operation can be done on ATS-01.

\*Program settings are auto-saved into memory and will remain even when electricity is off.



## 4 Digit 7 Segment LED Display

- Cyclic displays 3 phase Voltage & Frequency
- Internal program settings & status display
- TDEN, TDNE and TDEC real time countdown display

## User-Friendly Status LED Display

- Display AUTO/TEST status
- Over/Under Volts & Freq. status (Both Normal & Emergency)
- Display real time power loop

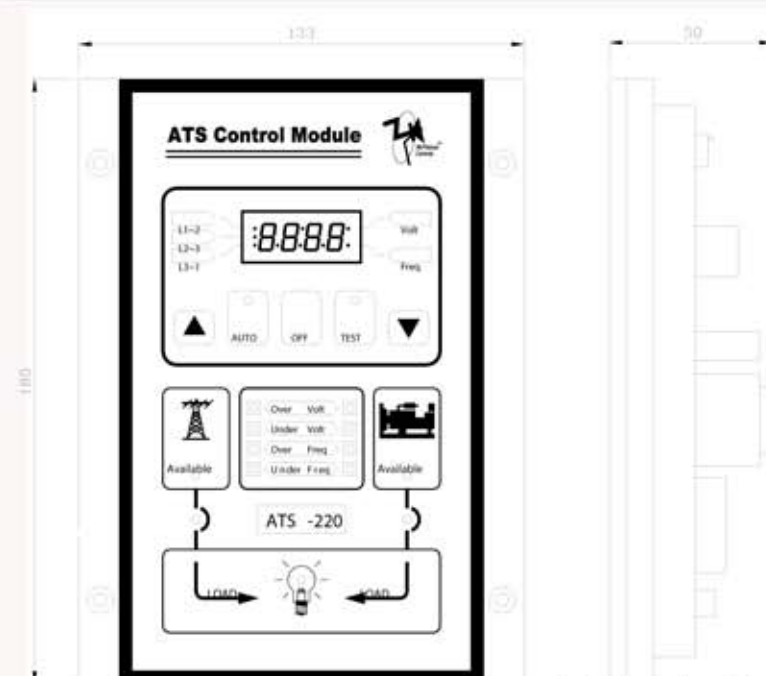
## All Phase Voltage & Frequency Monitoring

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 – 47 Hz

## Specifications

Input Control Voltage	160 – 250 VAC 50/60 Hz
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
Auxiliary Relay	0.5A @ 120 VAC 1.0A @ 24 VDC
Operating Temperature	-20 ~ +70 ?
Storage Temperature	-35 ~ +85 ?
Operating Humidity	95% Relative Humidity

## Mechanical Specifications



## Adjustable Timers

TDNE	0 – 300 sec.
TDES	0 – 60 sec.
TDEN	0 – 300 sec.
TDEC	0 – 300 sec.
Pre-transfer Signal	0 – 99 sec.
Pre-exerciser Signal	0 – 99 sec.
Transfer Fail Alarm Signal	0 – 99 sec.
Engine Exerciser Test Period	0 – 60 min.

\* Panel Installation Cut-Out: 120 x 130 mm

For more Info see: [www.mcphersoncontrols.com](http://www.mcphersoncontrols.com)

\*All dimensions in: mm