ATS SEQUENCE OF OPERATION

**Starting up the ATS:**
1. Normal and Emergency Breakers in open position and discharged, utility power available.
2. Energized the control power of the ATS intelligence by switching the three (3) MCB's one at a time from Normal MCB to DC MCD in the ATS intelligence circuit. When ATS is already energized, Normal and Emergency Breaker’s charging motors will automatically be charged.

**Manual Mode Operation:**
2. Close the Normal breaker by pressing either the “NORMAL CLOSE” push button or “CLOSE” button of the normal breaker.
3. To transfer the source to Emergency Power, initiate first the Genset (auto mode) by the selector switch “Test Genset” into “ON” position, so there will have power in the emergency MCB in the ATS. Then, open the Normal Breaker by pressing the “NORMAL OPEN” push button. After that, you can close the Emergency Breaker by pressing the “EMERGENCY CLOSE” push button.
4. To re-transfer back to Normal Power, open first the Emergency Breaker by pressing the “EMERGENCY OPEN” push button and then press the “NORMAL CLOSE” push button. And stop the Genset by the selector switch “Test Genset” into “OFF” position.

**Auto Mode Operation:**
1. Set the ATS mode selector switch to Auto Mode Position.
2. If Utility power supply fails, Normal Breaker will automatically trip off, then ATS will give signal to initiate and run the Genset. When the ATS senses the power coming from the Genset, ATS will close the Emergency Breaker to assume the loads.
3. When Utility power supply comes back, the ATS will automatically trip off the Emergency Breaker and then closes the Normal Breaker after such time. At the same time, ATS will signal the Genset to start cooling down.
• Time Delay Transfer to Emergency = set by end user
• Time Delay Transfer to Normal = set by end user
• Time Delay Engine Cooldown = set by end user

❖ Test Genset

This switch is located at the Control Switches of the ATS labeled as “Test Genset”. The main purpose of this command is to exercise the genset regularly and to operate it through the ATS. When genset is in exercise, it could also assume the load by setting first the ATS mode selector switch into Manual Mode Operation, and then do steps in Manual Mode Operation. After exercising the Genset, set back the mode into Auto Mode Position.

❖ Note

Unauthorized operation of the Automatic Transfer Switch System is strictly PROHIBITED.