

Vigilant Automatic Transfer Switches

400A Model for Briggs & Stratton 30 and 45 kW Generator Sets

The Vigilant Series ATS is designed to automatically transfer critical house loads in the event of a power outage. It consists of a simple, rugged design designed to meet the needs of residential applications. The transfer switch will provide 'Whole House Managed Power' when installed with the Briggs & Stratton Power Management System (PMS).

- For use with using Briggs and Stratton 30 and 45 kW residential generators.
- Rugged Contactor Design – Double Throw, Mechanically Interlocked.
- Galvanized Steel Enclosure.
- Externally accessible Exerciser Clock and Lamps.
- 5-Year Warranty.
- NEMA 3 Enclosure.

Installation

The transfer switch is designed to work seamlessly with Briggs & Stratton 30 and 45 kW generator sets by utilizing a convenient installation kit (Briggs part #71041).

For applications requiring load shedding for Whole House Managed Power, the Briggs & Stratton Power Management System (PMS) can be installed. The PMS (Briggs & Stratton part #71035) and the transfer switch work together to allow for precise management of the power demands for an entire house, while still maintaining maximum comfort and control from a smaller, more fuel efficient generator.

NOTE:

1. Installation kit #71041 must be purchased separately from Briggs & Stratton.
2. Power Management System (PMS) # 71035, if desired, must be purchased separately from Briggs & Stratton.
3. A service disconnect switch must be installed external to the transfer switch.
4. A 12V connection must be made from the generator battery to supply DC power to the transfer switch control logic.

DynaGen's VTSC100 Controller Board

The VTSC100 Logic Controller Board is at the heart of every Vigilant Automatic Transfer Switch. It is designed to provide all basic transfer switch control functions with simplicity, flexibility, and durability.

Features include:

- Powered from genset battery for isolation against line transients.
- Integrated voltage and frequency sensing.
- Adjustable transfer delays using on-board potentiometers.
- Fused remote start contact relays.
- Adjustable drop-out & pick-up values for voltage and frequency.
- Internal test switch included.

Conformally Coated

Every VTSC100 controller board is thoroughly conformally coated to create an effective barrier against moisture, fungus and other contaminants that can cause:

- Short circuits.
- Corrosion of conductors and solder joints.
- Electrical leakage between circuits.
- Mechanical stress of components.
- Loss of insulation protection.

Galvanized Corrosion Protection Standard on all Vigilant Enclosures □

The Vigilant enclosure is made from duplex coated, galvanized G90 grade steel and meets American Society for Testing and Materials (ASTM) standard A653. The service life of our galvanized steel enclosures is more than twice that of regular steel. □□

Operator Interface with external access □

DynaGen's easy-to-use, 7-day exerciser clock gives you full control over day and time. The exerciser clock and indicator lamps are both accessible from outside the transfer switch. There's no need to open the door to adjust the clock or view the status of the transfer switch, even with the NEMA 3 enclosure option.

Ordering Information:

VTS2-0400-2-240-12-LM-N3-LS

Specifications:

Rating	Voltage	UL Withstand Ratings	Poles	Enclosure H x W x D	Lbs.	Lug Capacity
400 Amp	120/240V	10KA	2	48"x30"x14"	190	4 to 600MCM

