

Vigilant Series

Technologies Inc.

DynaGen

Automatic Transfer Switches

Engineered for Quality Priced for Profitability



**Rugged contactor-based
double throw switch**

**Robust Full-featured
Controller Board**

Galvanized Steel Enclosure

**Externally accessible
Exerciser Clock and LED's**

**Modular design for
easy service & replacement**

Full 5 Year Warranty

Engineered for Highest Quality at Lowest Cost

DynaGen engineers had one clear design goal for our new **Vigilant Series**: Find that precise point at which the highest possible quality and the most needed features would combine to provide the lowest overall installed cost.

Transfer Switch Controls That Last

Employing all of DynaGen's proven controls expertise they developed new, ruggedly reliable controls that set new standards for simplicity, reliability, and durability including:

- **Integrated voltage and frequency sensing**
- **Adjustable transfer delays instead of fixed settings**
- **All timing functions are easily configurable through use of on-board potentiometers.**
- **Fused remote start contact relays**
- **Adjustable drop-out & pickup values for voltage & frequency**
- **Conformal coating to protect against moisture**

The new **Vigilant Series** controls are so reliable, in fact, that they are backed by the longest warranty in the business. **5 full years.**

Save Your Profits and Your Reputation

Keep your profits and your reputation from being eaten away by costly service issues caused by transfer switches choked with too many bells and whistles - or by switches that can't stand the test of time. Install the **Vigilant Series**. They will *make* you money now and *save* you money in the long run.



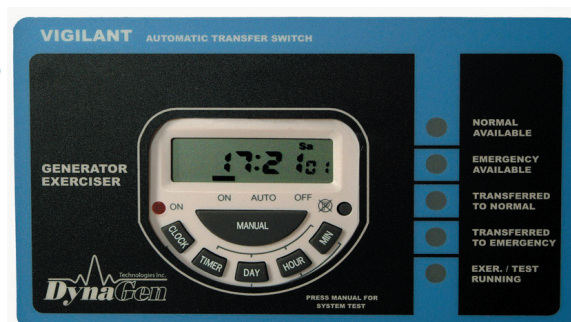
Available 100A through 1250A

One-Stop Toll-Free Technical Support

Buying all your power control products from DynaGen has another very big advantage: one toll-free number for all your technical support questions. Transfer Switches - Panels - Controllers - we make them all. And when you call DynaGen you get full access to the knowledgeable engineers who designed your product.

The Best User Interface on the Market

DynaGen's new exclusive exerciser clock gives you full control over day and time. It is, hands down, the most flexible and easiest-to-use timer on the market today. And, best of all, the exerciser clock and indicator LED's are both accessible from outside the transfer switch. No need to open the door. Even with a NEMA 3 enclosure.



Contact us today!

1-888-DYNAGEN
www.dynagen.ca

The Best Generator Controls at the Best Prices

Vigilant Series Specifications

NEMA 1 & 3	Voltage	UL Withstand Ratings*	Poles	Enclosure H - W - D	Lbs.	Lug Capacities
100 Amp	120/240	22,000A	2	16"x14"x6"	25	1/0 to 14AWG
200 Amp	120/240	25,000A	2	24"x20"x6"	55	1/0 to 250MCM
400 Amp	120/240, 120/208, 277/480	10,000A	2-3-4	48"x30"x12"	190	4 to 600MCM
600 Amp	120/240, 120/208, 277/480	12,000A	2-3-4	60"x30"x24"	425	2 to 600MCM
1000 Amp	120/240, 120/208, 277/480	20,000A	2-3-4	60"x36"x24"	510	2 to 600MCM
1250 Amp	120/240, 120/208, 277/480	25,000A	2-3-4	60"x36"x24"	542	2 to 600MCM

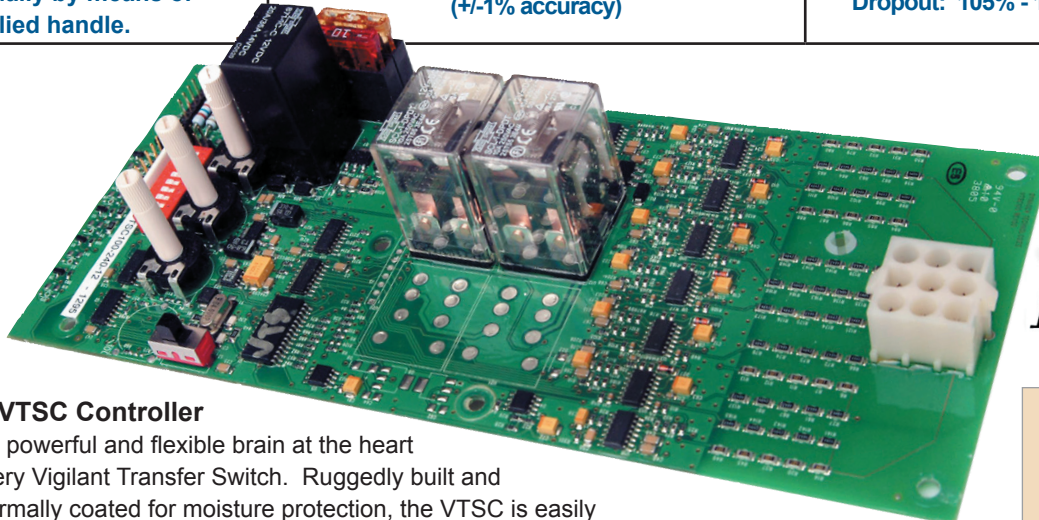
*Withstand Ratings: Please consult factory for specific protective device specifications and ratings.

• 100A and 200A approved UL1008 - Optional Standby Systems / • 400A through 1250A approved UL1008 - Emergency Systems

VTSC100 Transfer Switch Controller Specifications

Operating Voltage	12/24 VDC DC operating voltage is delivered to the VTSC100 transfer switch controller from the generator starting batteries ensuring that the controller is continuously powered and ready to control power to load. Factory jumpers to be installed (12VDC) or removed (24VDC) (9 VDC min - 30 VDC max)		
Remote Start Contact Rating	10A Maximum		
Control Setting Ranges	Function	Adjustable Ranges	Factory Setting
Controller Adjustments: Timing functions of the VTSC100 Controller are easily configurable through the use of on-board potentiometers.	Time Delay Engine Start	0 - 32 sec	10 sec
	Time Delay Normal to Emergency	0 - 64 sec	10 sec
	Time Delay Emergency to Normal	0 - 256 sec	256 sec
	Time Delay to Engine Cool Down	0 - 256 sec	256 sec
	Time Delay to Neutral (600A & above)	0 - 64 sec	10 sec
Operating Temperature: - 4 to +158°F	Normal & Emergency Under Voltage Phase to neutral sensing (+/-2% accuracy)	Nominal P-N VAC Dropout: 82% - 89% Pickup: 87% - 94%	Nominal P-N VAC Dropout: 82% Pickup: 87%
Operating Humidity: 0-95% Relative, Non-Condensing	Normal & Emergency Over Voltage Phase to neutral sensing (+/-2% accuracy)	Nominal P-N VAC Dropout: 118% - 111% Pickup: 113% - 106%	Nominal P-N VAC Dropout: 118% Pickup: 113%
Test Switch Included	Normal & Emergency Under Frequency (+/-1% accuracy)	Nominal P-N Frequency Dropout: 88% - 95%	Nominal P-N Frequency Dropout: 88%
Switch can be operated manually by means of supplied handle.	Normal & Emergency Over Frequency (+/-1% accuracy)	Nominal P-N Frequency Dropout: 105% - 112%	Nominal P-N Frequency Dropout: 112%

02/07



The VTSC Controller

is the powerful and flexible brain at the heart of every Vigilant Transfer Switch. Ruggedly built and conformally coated for moisture protection, the VTSC is easily configurable through the use of on-board dip switches and potentiometers.



Contact Us

www.dynagen.ca
sales@dynagen.ca
1-888-396-2436
Tel: 902-562-0133
Fax: 902-567-0633