

Vigilant Series

Automatic Transfer Switches

Technologies Inc.

DynaGen

Engineered for Peace of Mind



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 Reliability

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 our rugged controls set new standards for simplicity, reliability, and durability:

- Integrated voltage and frequency sensing
- Adjustable transfer delays
- 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 **Vigilant Series** switches are so reliable, in fact, that they are backed by the longest warranty in the business. **5 years.**

Save Your Reputation

Keep 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**.



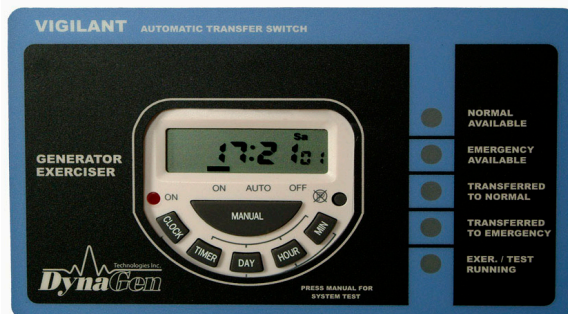
Available 100A through 1250A

One-Stop Toll-Free Technical Support

We offer one toll-free number for all your technical support questions. And when you call DynaGen you get full access to the knowledgeable engineers who designed your product.

A Great User Interface

DynaGen's exclusive exerciser clock gives you full control over day and time. It is, hands down, the most flexible and easiest-to-use timer available. 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 the NEMA 3 option.



1-888-DYNAGEN
www.dynagen.ca

Your Partner for Power Control Solutions

Vigilant Series Specifications

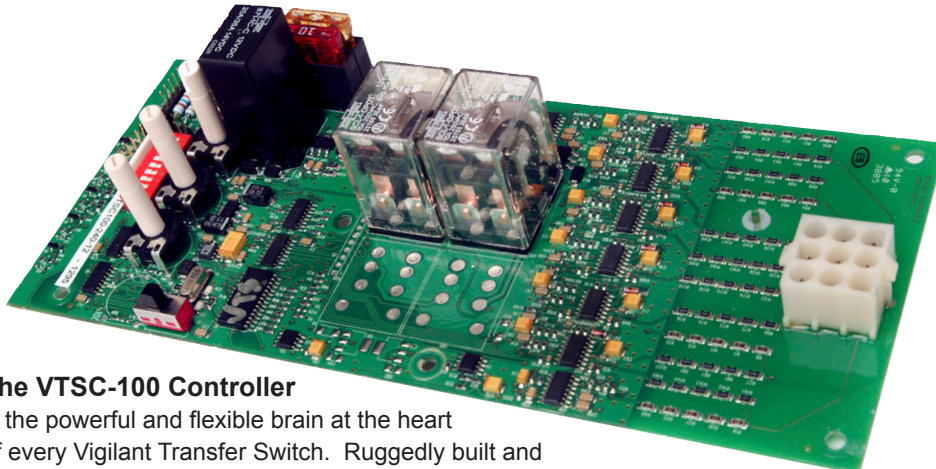
NEMA 1 & 3	Voltage	UL Withstand Ratings*	Poles	Enclosure H - W - D	Lbs.	Lug Capacities
100 Amp	120/240	22,000A	2	16"x14"x6"	25	1/0 to 14AWG
200 Amp	120/240	25,000A	2	24"x20"x6"	55	1/0 to 250MCM
400 Amp	120/240, 120/208, 277/480	10,000A	2 or 3	48"x30"x12"	190	4 to 600MCM
600 Amp	120/240, 120/208, 277/480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

VTSC-100 Controller Specifications

Control Board Power	9 to 30VDC (factory jumpers select 12 or 24VDC nominal) DC operating voltage is typically 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.		
Remote Start Contacts Rating	10A Maximum		
	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: - 20 to +70°C	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%
	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%
Operating Humidity: 0-95% Relative, Non-Condensing	Normal & Emergency Under Frequency (+/-1% accuracy)	Nominal P-N Frequency Dropout: 88% - 95%	Nominal P-N Frequency Dropout: 88%
	Normal & Emergency Over Frequency (+/-1% accuracy)	Nominal P-N Frequency Dropout: 105% - 112%	Nominal P-N Frequency Dropout: 112%
Test Switch Included			
Switch can be operated manually by means of supplied handle.			



The VTSC-100 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.

03/09



Contact Us

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