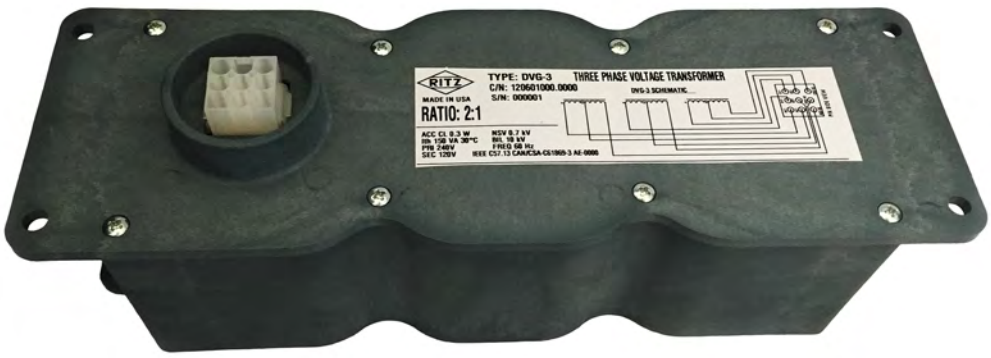
Type DVG-3 3-Phase Voltage Transformers
720V Class, 10kV BIL, Indoor/Outdoor



Product Features

600/720V Class Indoor/Outdoor VT

10kV BIL

60 Hz (50 Hz available upon request)

Rated Primary Voltage: 277V-480V

IEEE Accuracy: 0.3 W

Weight: ~12 lbs

Wiring Harness

Optional Wiring Boot
for Outdoor Installation

General Description
The DVG-3 voltage transformer is designed for use with watt-hour meters, relays, and in other control applications. The unit consists of 1, 2, or 3 revenue metering accuracy voltage transformers, depending on the application. Primary and secondary connections are made using a wiring harness that connects to the connector provided on the voltage transformer.

Construction
The core and coil assemblies are encapsulated in polyurethane inside a UV-resistant Valox case.

Primary and Secondary Connections
Primary and secondary connections are made via a 9-position Molex connector plug system. A wiring harness must be purchased with each voltage transformer to fascilitate connections to the line and the connected device.

Wiring Harness
A wiring harness must be purchased for each voltage transformer. Wiring harnesses are avaialble in standard 6, 12, 20, or 30 foot lengths. Custom lengths and color-codes are available upon request. The wiring harness comes with a Molex connector that mates with the connector provided on the voltage transformer.

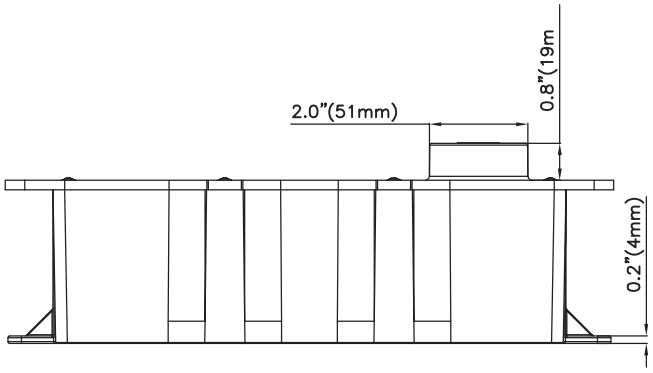
Nameplate
A nameplate label is provided on every unit that lists important ratings and shows a wiring schematic.

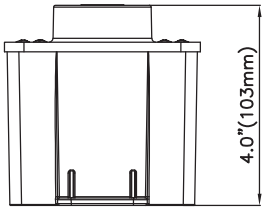
Mounting
The voltage transformer can be mounted in any orientation by means of the mounting holes provided on the case. Key-hole slots are provided for easy mounting with 1/4" screws or shoulder rivits.

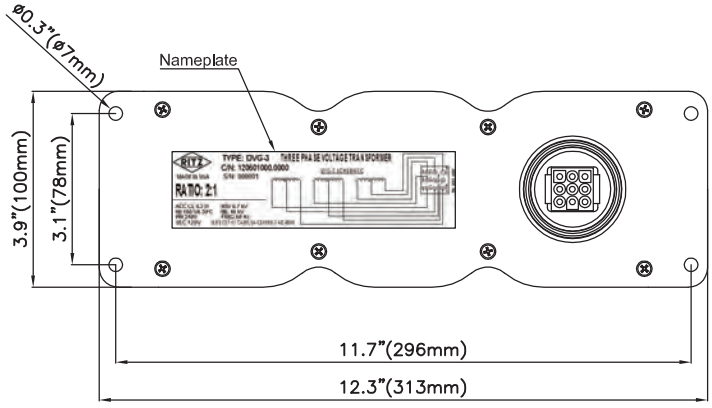
An optional rubber boot is available for outdoor mounting that covers the terminal plug connector.

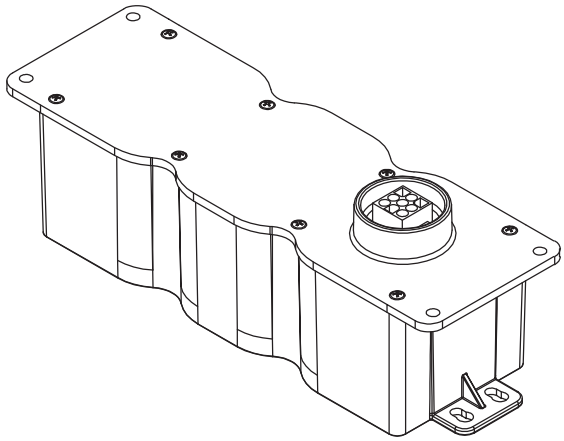
Tests
Routine tests in ccompliance with IEEE, ANSI, and CSA are standard. Designs and tests to other international standards are available upon request. Test cards are included with each unit.

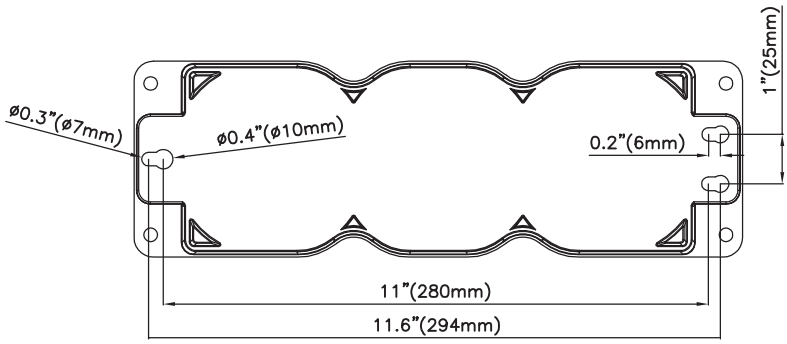
Commissioning and Maintainence
Transformers are supplied ready for service. No special tools are required.





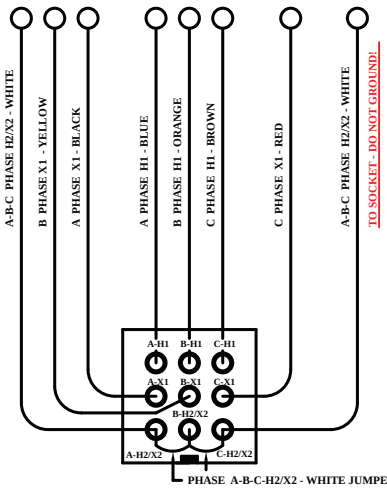






3-PHASE 4-WIRE STANDARD WIRING HARNESS

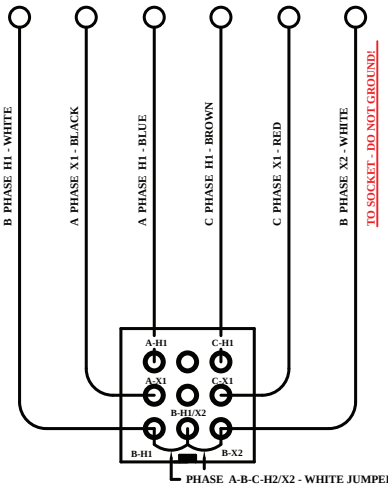
All Wires are Stranded Copper #14 THHN



VIEW OF SCHEMATIC FROM WIRE SIDE

3-PHASE 3-WIRE STANDARD WIRING HARNESS

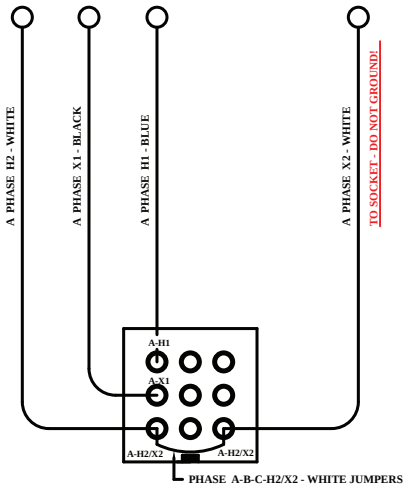
All Wires are Stranded Copper #14 THHN



VIEW OF SCHEMATIC FROM WIRE SIDE

1-PHASE STANDARD WIRING HARNESS

All Wires are Stranded Copper #14 THHN



VIEW OF SCHEMATIC FROM WIRE SIDE

Type DVG-3					
# of VTs	**Primary (V)**	**Secondary (V)**	**Ratio**	**IEEE/CSA Accuracy Class (60Hz)**	**Catalog Number**
1	480	240	2:1	0.3W	120601040.0998
3	480	240	2:1	0.3W	120601040.0997
3	288	120	2.4:1	0.3W	120601040.0996
3	300	120	2.5:1	0.3W	120601040.0991
3	360	120	3:1	0.3W	120601040.1000
1	480	120	4:1	0.3W	120601040.0999
2	480	120	4:1	0.3W	120601040.0995

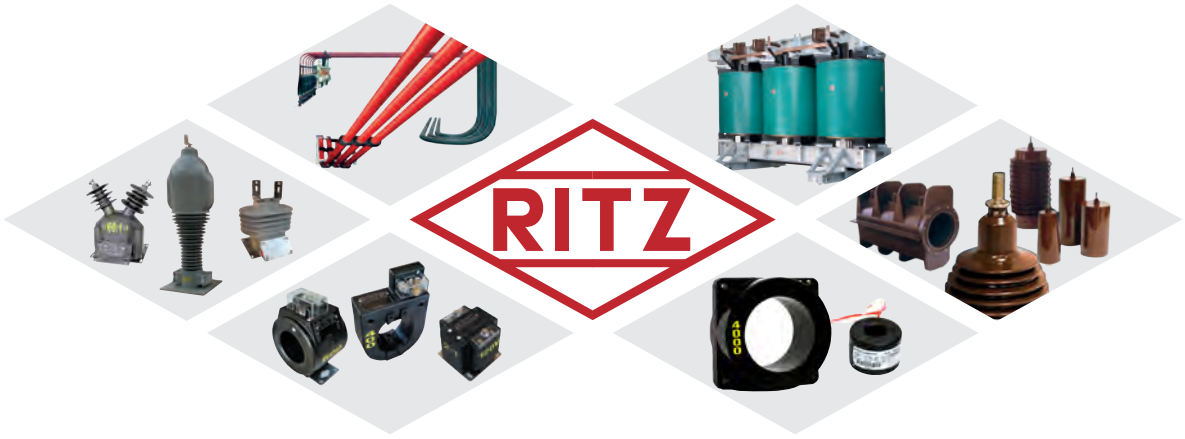
Wiring Harnesses

WH-1P-X 1-Phase, 2-Wire System
WH-3P3W-X 3-Phase, 3-Wire System
WH-3P4W-X 3-Phase, 4-Wire System
X= 6, 12, 20, or 30 foot lengths

Contact factory for custom wiring harness color code and/or lengths.

Optional Rubber Boot for Outdoor Service: CAT# 44067531

Other ratings available upon request.
Ratings listed in this brochure are subject to change without notice.



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