



RITZ INSTRUMENT TRANSFORMERS, INC.

Instrument Transformers

Voltage Transformers

DVE-6

General Description

The DVE – 6 voltage transformer is designed for use with watt-hour meters, relays and in other control applications. It is a compact design offering metering performance with today's lower burdens. It is suitable for both indoor and outdoor service. The transformer meets all applicable IEEE, ANSI, and NEMA standards.

Construction

The primary and secondary coils are wound on insulated tubes. The wound coils are positioned around a distributed gap core of grain oriented silicon steel. The core and windings are then encapsulated inside a mold using a polyurethane resin specifically formulated for optimal electrical insulation and weatherproof characteristics.

Thermal Rating

The DVE – 6 has a thermal rating of 300 VA at 30° C and 200 VA at 55° C.

Terminals and Cover

Primary and secondary terminals are compression-type



and are suitable for conductor sizes #14 to #8 AWG. The clear polycarbonate terminal covers are secured by thumb screws which can accept a sealing wire.

Base Plates

The transformer comes with a marine-grade aluminum base plate that incorporates an industry standard mounting pattern.

Test Reports

Test reports according to the latest revisions of IEEE C57.13 are stored electronically at time of test and can be sent via email in customer preferred formats at time of shipment.

TYPE DVE-6 600 VOLT CLASS – 10KV BIL

RATED PRIMARY VOLTS	CATALOG NUMBER	RATIO	SECONDARY VOLTS	IEEE ACCURACY CLASS, 60 HZ	
				BURDEN W	BURDEN X
240/416Y	120601015.0457	2:1	120	0.3	0.6
288/500Y	120601015.0458	2.4:1	120	0.3	0.6
300/520Y	120601015.0459	2.5:1	120	0.3	0.6
480/480Y	120601015.0460	4:1	120	0.3	0.6
600/600Y	120601015.0461	5:1	120	0.3	0.6
120/208Y	120601015.0462	1:1	120	0.3	0.6

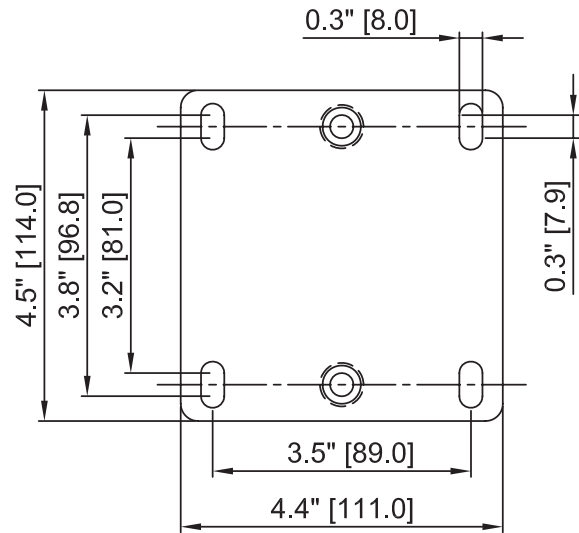
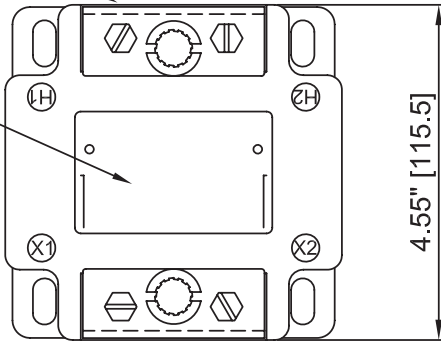


Voltage Class	600 V
Basic Impulse Level	10 kV
Service Rating	Indoor/ Outdoor
Weight	Approx. 9.2 lbs.

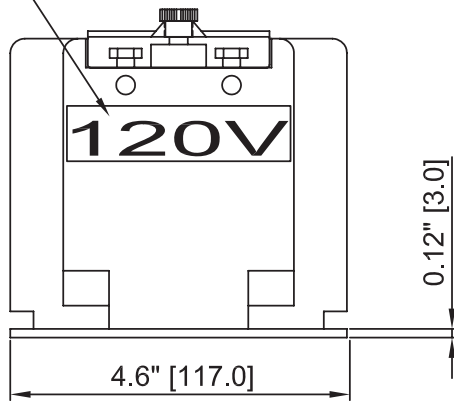
Base Plate

Primary Voltage
Rating Label

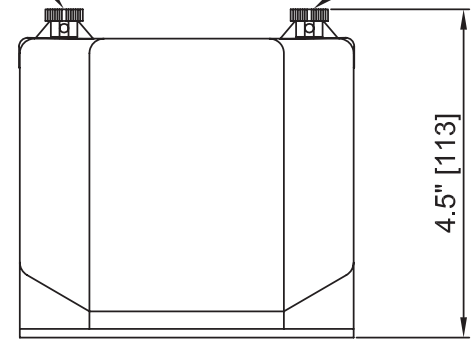
Nameplate



Secondary Voltage
Rating Label



Secondary Terminal Covers



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SALES REPRESENTATIVE

