

Model JVA-0C

Indoor/Outdoor Voltage Transformer
10 kV BIL, 600 V

Application

Designed for outdoor service; suitable for operating meters, instruments, relays and control devices.

Thermal Rating

55 °C Rise above 30 °C Ambient500 VA
30 °C Rise above 55 °C Ambient300 VA

Weight

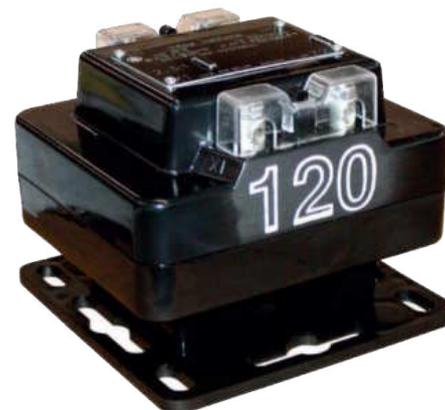
(Approximate)
Unfused16.5 lbs

Reference Drawings

Outline0122C34133

Frequency

50/60 Hz



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Circuit Line to Line Voltage Permissible			Transformer Rating (3)		ANSI Accuracy Classification 60 Hz				Catalog Number	Recommended Primary Fuse Rating
$\Delta^{(1)}$	$\Upsilon^{(2)}$	$\Upsilon^{(4)}$	Primary Voltage	Ratio	Burden ⁽¹⁾		Burden ⁽²⁾			Amps
					W,X,M	Y	W	X		
120	120	208	120	1:1	0.3 X only				760X134401	10.0
240	240	416	240	2:1	0.3	0.6	0.3	0.6	760X134002	6.0
---	---	480	277	2.31:1	0.3 W only				760X134403	6.0
---	---	480	288	2.4:1	0.3	0.6	---	---	760X134004	6.0
---	---	480	300	2.5:1	0.3	0.6	---	---	760X134005	6.0
480	480	---	480	4:1	0.3	0.6	0.3	0.6	760X134006	3.0
600	600	---	600	5:1	0.3	0.6	0.3	0.6	760X134007	3.0

Notes:

(1) Operated at rated voltage; secondary at 120 V.

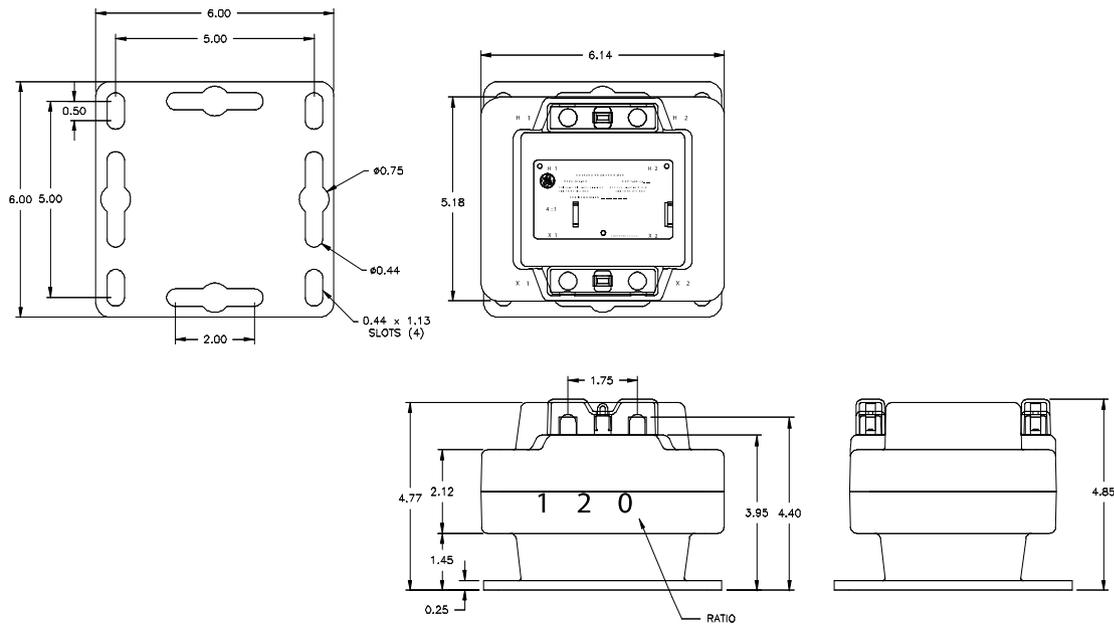
(2) Operated at 58% of rated voltage; secondary at 69.3 V.

(3) For continuous operation, the transformer rated primary voltage should not be exceeded by more than 10%. Under emergency conditions, overvoltage must be limited to 1.25 times the transformer primary voltage rating.

(4) For Y connections, it is preferred practice to connect one lead from each voltage transformer directly to the grounded neutral, using a fuse only in the line side of the primary. By this connection a transformer can never be "alive" from the line side by reason of a blown fuse on the grounded side.



JVA-0C Dimensions



Construction and Insulation

The core and coil are placed in a plastic shell made from GE Valox and encapsulated in a polyurethane.

Core and Coils

The primary and secondary coils are precision wound on an insulated spool. Once the coils are wound, a distributed gap, grain oriented silicone steel core is positioned through the center of and around the outside of this combined coil.

Primary Terminals

These compression terminals, identified as H1 and H2, are conveniently located on top of the transformer. They are fixed, tin plated, brass posts with holes to accommodate No.6 to No. 14 wire sizes. The brass screws for securing wires to the posts are tin-plated.

Secondary Terminals

These compression terminals, identified as X1 and X2, are conveniently located on top of the transformer. They are fixed, tin plated, brass posts with holes to accommodate No. 6 to No. 14 wire sizes. The brass screws for securing wires to the posts are tin-plated.

Nameplates

The nameplate is laser engraved aluminum. It is mounted on the top of the transformer. Provision is made for attaching the user's identifying tag.

Cover

A transparent, plastic terminal cover is furnished over the primary and secondary terminals. This cover provides a safe means of observing the electrical connections without requiring its removal.

Maintenance

These transformers require no maintenance, other than occasional cleaning.

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