

MODEL JVM-OC

Indoor/Outdoor Voltage Transformer

10 kV BIL,
69-600 V



Application

Designed for indoor service; suitable for operating meters, instruments, relays and control devices. Unfused models are suitable for outdoor service.

Regulatory Agency Approvals

UL RecognizedFile E93779

Thermal Rating

55°C Rise above 30°C Ambient750 VA

30°C Rise above 55°C Ambient500 VA

Weight

(Approximate).....25 lbs.

Reference Drawings

Outline0122C33702

Insulation Level

0.6 kV; BIL 10 kV full wave

Frequency

60 Hz

Model JVM-OC

CIRCUIT LINE TO LINE VOLTAGE	PERMISSIBLE TRANSFORMER PRIMARY CONNECTION	TRANSFORMER RATING		ANSI ACCURACY CLASSIFICATION 60 Hz			CATALOG NUMBER		RECOMMENDED PRIMARY FUSE RATING
		PRIMARY VOLTAGE (1)	RATIO	Burden Per ANSI		NOT FUSED	PRIMARY FUSES ONLY	PRIMARY AND SECONDARY FUSES	Amps
				OPERATED AT RATED VOLTAGE	OPERATED AT 58% OF RATED VOLTAGE				
120	Y only	69.3	0.578:1	0.3 W 0.6 X,M & Y	0.6 W 1.2 M	760X133001	760X133021	760X133041	15.0
120 208	Δ or Y Y only	120	1:1	0.3 W 0.6 X,M & Y	0.6 W 1.2 M	760X133002	760X133022	760X133042	10.0
120 208	Δ or Y Y only	120	1.732:1	0.3 W,X,M,Y 1.2 Z	0.3 W,X 0.6 M	760X133003	760X133023	760X133043	10.0
208	Δ or Y	207.8	1.732:1	0.3 W,X,M,Y 1.2 Z	0.3 W,X 0.6 M	760X133004	760X133024	760X133044	8.0
240 416	Δ or Y Y only	240	2:1	0.3 W,X,M,Y 1.2 Z	0.3 W,X 0.6 M	760X133005	760X133025	760X133045	8.0



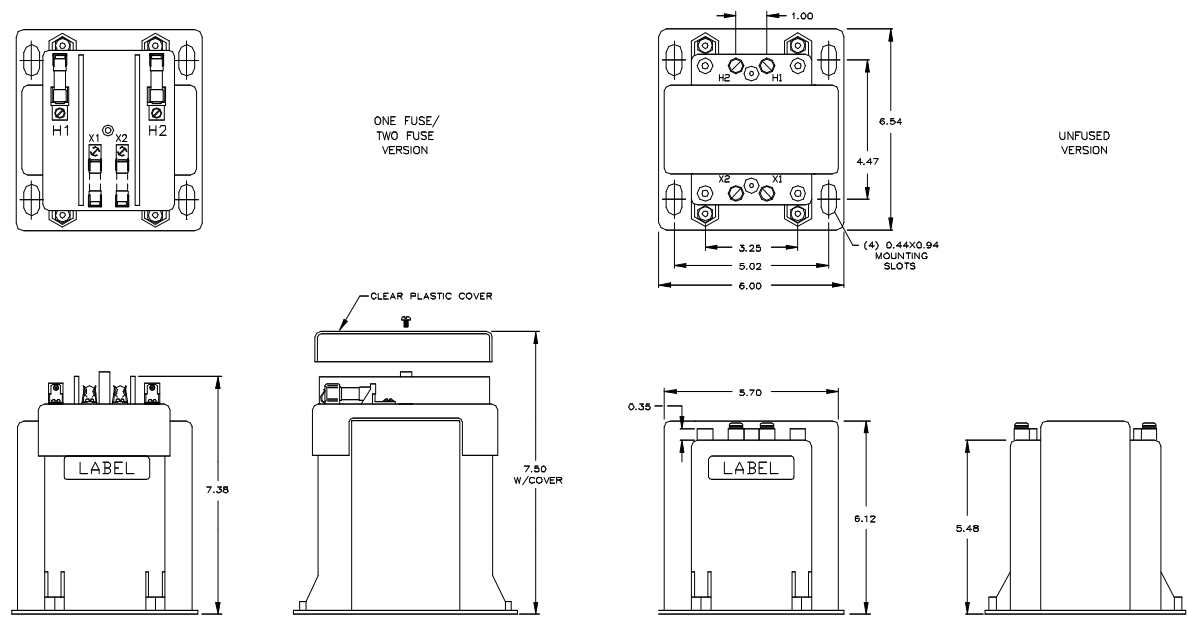
461 Boston Street, Unit E6, Topsfield, MA 01983
Toll Free (800) 644-9773 · Phone (978) 887-2020
meters@spectrumind.com

Model JVM-0C (cont'd)

CIRCUIT LINE TO LINE VOLTAGE	PERMISSIBLE TRANSFORMER PRIMARY CONNECTION	TRANSFORMER RATING		ANSI ACCURACY CLASSIFICATION 60 Hz			CATALOG NUMBER		RECOMMENDED PRIMARY FUSE RATING
		PRIMARY VOLTAGE (1)	RATIO	Burden Per ANSI		NOT FUSED	PRIMARY FUSES ONLY	PRIMARY AND SECONDARY FUSES	Amps
				OPERATED AT RATED VOLTAGE	OPERATED AT 58% OF RATED VOLTAGE				
480	Y only	288	2.4:1	0.3 W,X,M,Y 1.2 Z	0.3 W,X 0.6 M	760X133006	760X133026	760X133046	6.0
480	Y only	300	2.5:1	0.3 W,X,M,Y 1.2 Z	0.3 W,X 0.6 M	760X133007	760X133027	760X133047	6.0
480 832	Δ or Y Y only	480 ψ	4:1	0.3 W,X,M,Y 1.2 Z	0.3 W,X 0.6 M	760X133008	760X133028	760X133048	4.0
600 1,040	Δ or Y Y only	600 ψ	5:1	0.3 W,X,M,Y 1.2 Z	0.3 W,X 0.6 M	760X133009	760X133029	760X133049	3.0

Notes: (1) For continuous operation, the transformer's rated primary voltage should not be exceeded by more than 10%. Under emergency conditions, over-voltage must be limited to 1.25 times the transformer primary voltage rating; except those marked Ψ, which must not exceed 110% rated voltage.

JVM-0C Dimensions



Construction and Insulation

The core and coils are enclosed in a molded case and encapsulated in polyurathane resin. The case is molded with Valox thermoplastic polyester resin. This tough material has excellent electrical and mechanical properties over a wide temperature range, has low water absorption and good flame resistance.

Core

The cores are made from high quality grain oriented silicon steel, which is annealed under rigidly controlled factory conditions.

Terminals

Primary and secondary terminals are No. 10-32 brass screws with one flat washer and one lock washer. A sealable, clearplastic, terminal cover is provided.

Polarity

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.

Fuses

Primary fuses are recommended, rated as shown in the data table. A secondary fuse is recommended, type BBS rated at 8.0 Amps to protect the transformer from external short circuits.

Nameplates

The nameplate is a polyester label attached to the side of the transformer case.

Mounting

The transformer can be mounted in any position, the case is provided with four mounting slots in the steel base plate.

Maintenance

These transformers require no maintenance, other than occasional cleaning.

