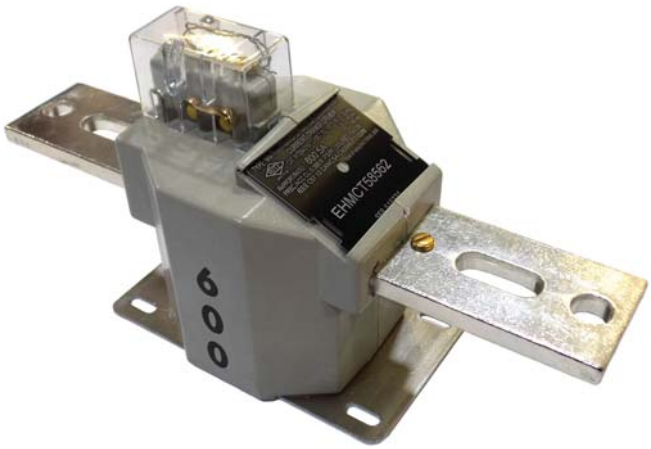
Type MV-7 Current Transformer
2-Wire and 3-Wire
720V Class, 10kV BIL, Indoor/Outdoor



Product Features

720V Class Indoor/Outdoor Bar-Type CT

10kV BIL

60 Hz

Current Range (2W): 5A-1200A

Current Range (3W): 200A-400A

Weight (2W): 7.8 lb (3.5 kg)

Weight (3W): 8.8 lb (4.0 kg)

Short-Time Thermal Current Rating
5A to 800A primary: 80 x Inom (1 sec)
1000A primary: 69 x Inom (1 sec)
1200A primary: 57.5 x Inom (1 sec)

Short-Time Mechanical Current Rating
2.7 times Short-Time Thermal Current Rating (kAp)

General Description
The MV-7 current transformer is designed for indoor/outdoor metering applications on 2-wire and 3-wire low-voltage (720V class), 60Hz circuits. The MV-7 has been approved by Measurement Canada for revenue billing applications.

Construction
The core is wound from high-quality, grain-oriented silicon steel which has been annealed. The secondary winding is accomplished with heavy-enameled copper wire. The primary winding is made from solid copper bar. The core and coil assembly is molded with polyurethane inside an injection-molded lexan shell.

Primary Terminals
Primary terminals are plated copper bars.

Secondary Terminals
Compression-style secondary terminals are molded into the top of the transformer. A shorting link is provided with top access and the plastic terminal cover is reversible for operator safety.

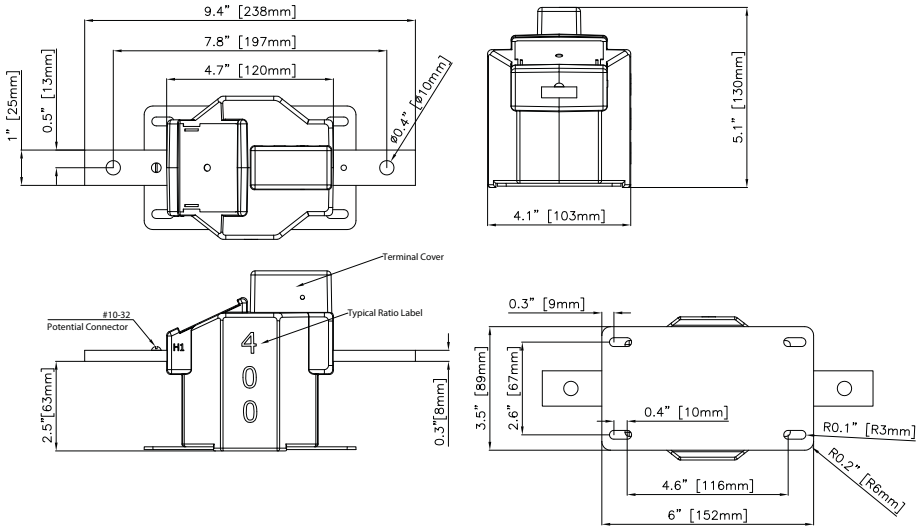
Nameplate
A metal nameplate is provided with all relevant rating information.

Mounting
The current transformer is provided with a mounting plate that is slightly flexible to relieve stress caused by uneven mounting surfaces.

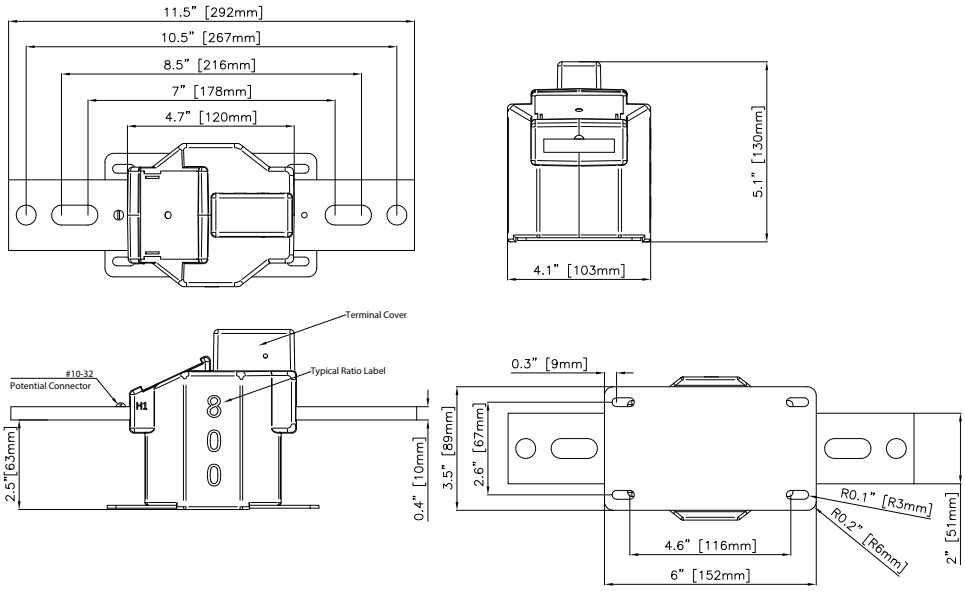
Tests
Routine tests in compliance with CSA are standard. Designs and tests to other international standards are available upon request. Test cards are included with each unit.

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

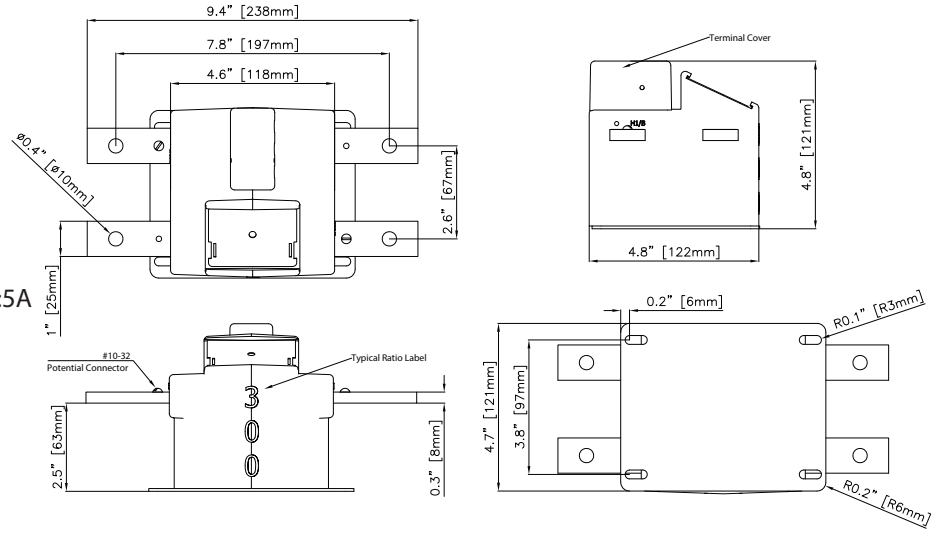
2-Wire
Small Bar
5:5A - 400:5A



2-Wire
Large Bar
500:5A - 1200:5A



3-Wire
200:5A - 400:5A



Ratio (A)		Accuracy		Rating Factor @ 30C		Catalog Number		MC Approval	
Primary	Secondary	2-Wire	3-Wire	2-Wire	3-Wire	2-Wire	3-Wire	2-Wire	3-Wire
75	5	0.3B0.9	-	1.5	-	917246	-	T-0268	-
100	5	0.3B0.9	-	1.5	-	917247	-	T-0268	-
150	5	0.3B0.9	-	1.5	-	917248	-	T-0268	-
200	5	0.3B0.9	0.3B0.5	1.5	1.5	917249	917261	T-0268	T-0289
250	5	0.3B0.9	0.3B0.5	1.5	1.5	917250	917262	T-0268	T-0289
300	5	0.3B0.9	0.3B0.5	1.5	1.5	917251	917263	T-0268	T-0289
400	5	0.3B0.9	0.3B0.5	1.5	1.5	917252	917264	T-0268	T-0289
500	5	0.3B0.9	-	1.5	-	917253	-	T-0268	-
600	5	0.3B0.9	-	1.5	-	917254	-	T-0268	-
800	5	0.3B0.9	-	1.5	-	917255	-	T-0268	-
1000	5	0.3B0.9	-	1.2	-	917256	-	T-0268	-
1200	5	0.3B0.9	-	1.0	-	917257	-	T-0268	-

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

Ritz Instrument Transformers, Inc.
25 Hamburg Avenue
Lavonia, GA USA 30553
TEL: 706-356-7180
FAX: 866-772-5245
sales@ritzusa.com