

MODELS JCD-3/ JCD-4/JCD-5



JCD-3 and JCD-4 Current Transformer



When choosing your Instrument Transformer, don't forget to explore the benefits of using 0.15 accuracy class AccuBute line.

Outdoor Current Transformer

1,200 A to 4,000 A
5 kV to 15 kV, BIL 60 kV to 110 kV, 5.56" Window, 50/60 Hz

Application

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

ANSI Meter Accuracy Classification, 60 Hz

B-0.1 through B-1; all models, 0.3
B-2, refer to data table

Weight

(Approximate, in pounds)
Transformer, JCD-3, JCD-4
Transformer, JCD-5

120/110 lbs.
150/135 lbs.

Reference Drawings

Accuracy Curves at 60 Hz:

1,200:5	9689241075
1,500:5	9689241076
2,000:5	9689241078
3,000:5	9689241080
4,000:5	9689241081
600/1,200:5	9689241083 & 9689241084
750/1,500:5	9689241085 & 9689241086
1,000/2,000:5	9689241087 & 9689241088
1,500/3,000:5	9689241089 & 9689241090
2,000/4,000:5	9689241091 & 9689241092

Excitation Curves:

1,200:5	9689241139
1,500:5	9689241140
2,000:5	9689241142
3,000:5	9689241144
4,000:5	9689241145

Outline Drawings:

JCD-3 and JCD-4	4153760
JCD-5	4153761

Wiring Diagram refer to page 41, figure 3



461 Boston Street, Unit E6, Topsfield, MA 01983
Toll Free (800) 644-9773 · Phone (978) 887-2020
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JCD-3/JCD-4/JCD-5 Data Table

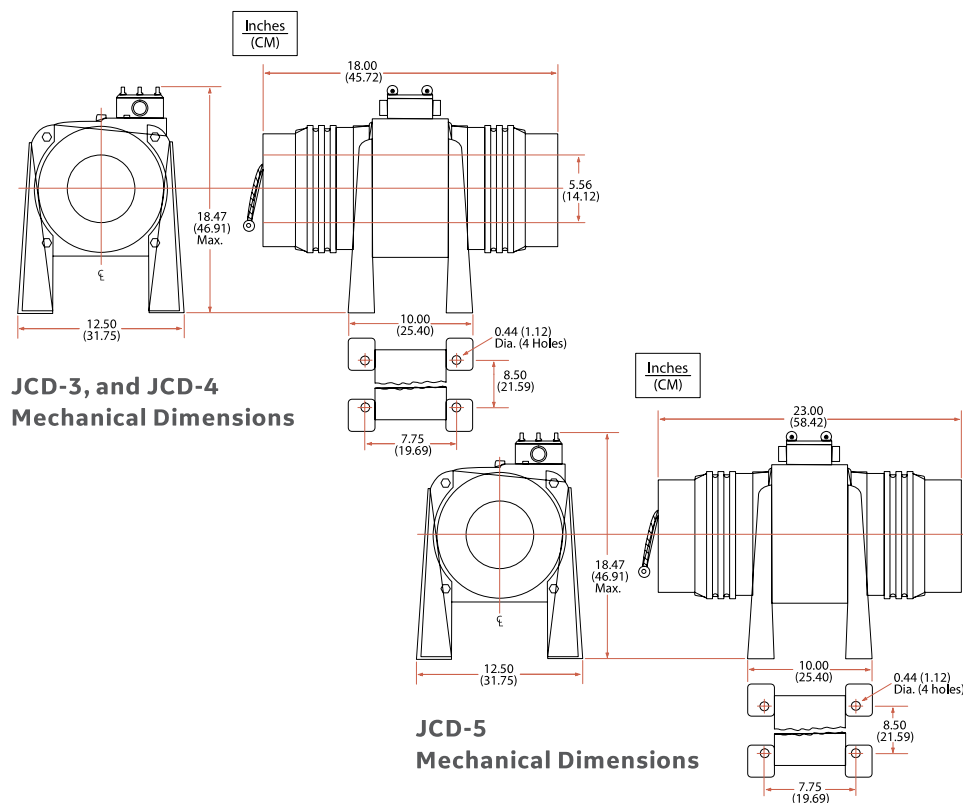
CURRENT RATIO (Amps) PRI: Sec	ANSI ACCURACY CLASS, 60 Hz		CONTINUOUS THERMAL CURRENT RATING FACTOR 30°C AMBIENT	ONE-SECOND THERMAL LIMIT, Amperes	CATALOG NUMBER		
	METER CLASS, BURDEN B-2	RELAY CLASS			JCD-3 5,000 V BIL 60 kV	JCD-4 8,700 V BIL 75 kV	JCD-5 15,000 V BIL 110 kV
Single Ratio							
1,200:5	0.3	C200	1.33	88,800	753X031008	754X031008	755X031008
1,500:5	0.3	C200	1.33	111,000	753X031009	754X031009	755X031009
2,000:5	0.3	C400	1.33	148,000	753X031011	754X031011	755X031011 ¹
3,000:5	0.3	C400	1.33	282,000	753X031013	754X031013	755X031013
4,000:5	0.3	C200	1.33	296,000	753X031014	754X031014	755X031014
Dual Ratio							
600/1,200:5	--	C100	2.0	88,000	753X031016	754X031016	755X031016
	0.3	C200	1.33				
750/1,500:5	0.6	C100	2.0	111,000	753X031017	754X031017 ¹	755X031017
	0.3	C200	1.33				
1,000/2,000:5	0.6	C200	2.0	148,000	753X031018	754X031018	755X031018
	0.3	C400	1.33				
1,500/3,000:5	0.3	C200	2.0	282,000	753X031019	754X031019	755X031019 ¹
	0.3	C400	1.33				
2,000/4,000:5	0.3	C100	2.0	296,000	753X031020	754X031020	755X031020
	0.3	C200	1.33				

1. Measurement Canada Approval: AE-0840 or AE-1447



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JCD-3/4/5 Dimensions



Construction and Insulation

Please refer to General Product Information, items 1.2 and 1.8.

Core

Please refer to General Product Information, item 2.2.

Primary Terminals

Please refer to General Product Information, item 4.16.

“Pig Tail” Connection

Please refer to General Product Information, item 3.13.

Winding

Please refer to General Product Information, item 3.4.

Secondary Winding

Please refer to General Product Information, item 3.4.

Terminals

Please refer to General Product Information, item 4.16.
Outdoor – Current – JCD-3/JCD-4/JCD-5 Conduit Box Please refer

Polarity

Please refer to General Product Information, item 7.2.

Baseplate and Mounting

Please refer to General Product Information, item 5.11.

Nameplate

Please refer to General Product Information, item 6.1.

Maintenance

Please refer to General Product Information, item 10.1 and pages 24-27.

Mechanical Rating

Mechanical limits are omitted since, if bar-primary type transformers are properly installed, their mechanical strength is nearly unlimited.

