

# Models JCD-3/JCD-4/JCD-5

**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-4 120/110 lbs  
Transformer, JCD-5 150/135 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



JCD-3 and JCD-4 Current Transformer



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

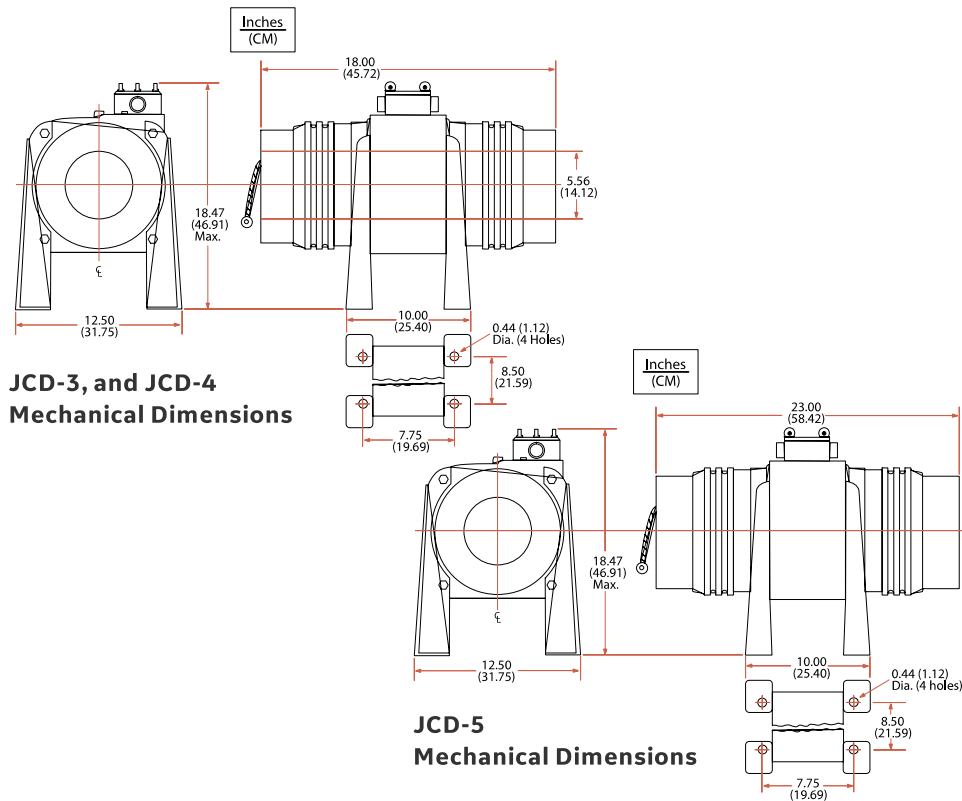
## JCD-3/JCD-4/JCD-5 Data Table

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
<b>Single Ratio</b>							
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 <sup>1</sup>
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
<b>Dual Ratio</b>							
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 <sup>1</sup>	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 <sup>1</sup>
	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



## JCD-0C 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 to General Product Information, item 12.2.

### 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.

### [GEGridSolutions.com](http://GEGridSolutions.com)

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