

# Models JCW-3/JCW-4/JCW-5

Outdoor Current Transformers, 600 A to 4,000 A, 50/60 Hz  
5,000 V to 15,000 V, BIL 60 kV to 110 kV

## 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.....123/111 lbs

## Reference Drawings

Accuracy Curves at 60 Hz:

1,200:5 .....9689241017  
1,500:5 ..... 9689241018  
2,000:5 ..... 9689241019  
3,000:5 ..... 9689241021  
4,000:5 ..... 9689241022  
600/1,200:5 .....9689241023 & 9689241024  
750/1,500:5 .....9689241025 & 9689241026  
1,000/2,000:5 .....9689241027 & 9689241028  
1,500/3,000:5 .....9689241029 & 9689241030  
2,000/4,000:5 .....9689241031 & 9689241032

Excitation Curves:

1,200:5 ..... H9689241126  
1,500:5 ..... H9689241127  
2,000:5 ..... H9689241128  
3,000:5 ..... H9689241124  
4,000:5 ..... H9689241130

Outline Drawings:

JCW-3 & JCW-4 Transformer ..... 8949931  
JCW-5 Transformer ..... 8949932  
Wiring Diagram ..... refer to page 41, figure 3



JCW-3 and -4 Current Transformer



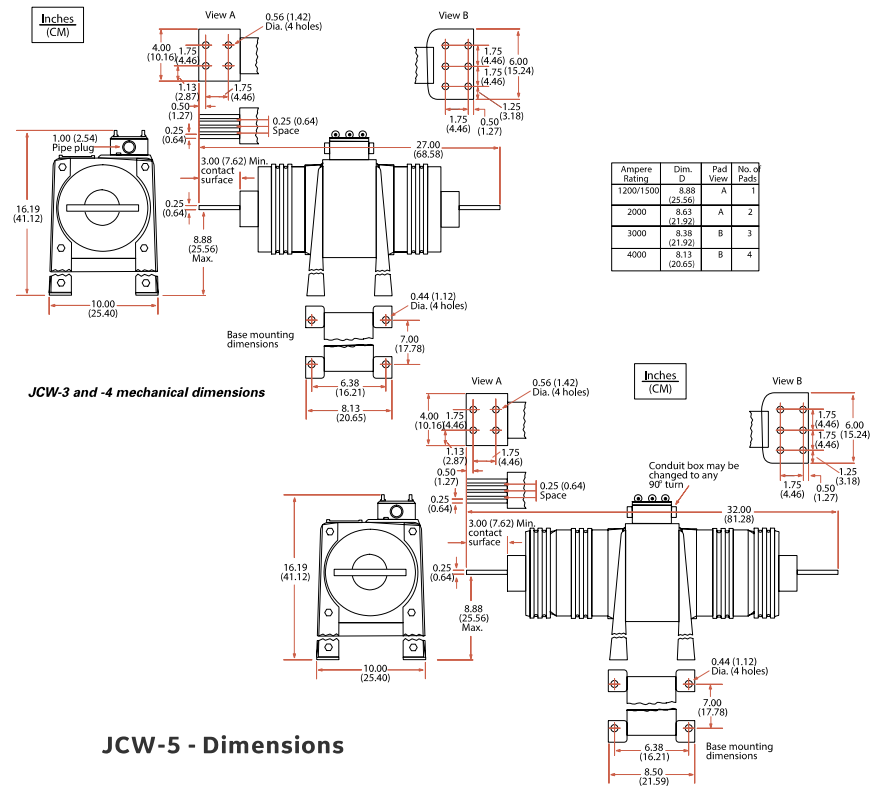
JCW-5 Current Transformer

**ACCU-BUTE**  
AVAILABLE

## JCW-3/JCW-4/JCW-5 Product Data

| Current Ratio<br>(Amps)<br>Pri : Sec | ANSI Accuracy Class, 60 Hz    |             | Continuous<br>Thermal Current<br>Rating Factor 30<br>°C Ambient | One-Second<br>Thermal Limit,<br>Amperes | Catalog Number                |                               |                                 |
|--------------------------------------|-------------------------------|-------------|-----------------------------------------------------------------|-----------------------------------------|-------------------------------|-------------------------------|---------------------------------|
|                                      | Meter Class,<br>Burden<br>B-2 | Relay Class |                                                                 |                                         | JCW-3<br>5,000 V<br>BIL 60 kV | JCW-4<br>8,700 V<br>BIL 75 kV | JCW-5<br>15,000 V<br>BIL 110 kV |
| Single Ratio                         |                               |             |                                                                 |                                         |                               |                               |                                 |
| 1,200:5                              | 0.3                           | C200        | 1.33                                                            | 55,000                                  | 753X030003                    | 754X030003                    | 755X030003                      |
| 1,500:5                              | 0.3                           | C200        | 1.33                                                            | 69,000                                  | 753X030004                    | 754X030004                    | 755X030004                      |
| 2,000:5                              | 0.3                           | C200        | 1.33                                                            | 148,000                                 | 753X030005                    | 754X030005                    | 755X030005                      |
| 3,000:5                              | 0.3                           | C200        | 1.33                                                            | 279,000                                 | 753X030007                    | 754X030007                    | 755X030007                      |
| 4,000:5                              | 0.3                           | C200        | 1.0                                                             | 456,000                                 | 753X030008                    | 754X030008                    | 755X030008                      |
| Dual Ratio                           |                               |             |                                                                 |                                         |                               |                               |                                 |
| 600/1,200:5                          | 0.6                           | C100        | 2.0                                                             | 55,000                                  | 753X030009                    | 754X030009                    | 755X030009                      |
|                                      | 0.3                           | C200        | 1.33                                                            |                                         |                               |                               |                                 |
| 750/1,500:5                          | 0.6                           | C100        | 2.0                                                             | 69,000                                  | 753X030010                    | 754X030010                    | 755X030010                      |
|                                      | 0.3                           | C200        | 1.33                                                            |                                         |                               |                               |                                 |
| 1,000/2,000:5                        | 0.6                           | C100        | 2.0                                                             | 148,000                                 | 753X030011                    | 754X030011                    | 755X030011                      |
|                                      | 0.3                           | C200        | 1.33                                                            |                                         |                               |                               |                                 |
| 1,500/3,000:5                        | 0.3                           | C100        | 2.0                                                             | 279,000                                 | 753X030012                    | 754X030012                    | 755X030012                      |
|                                      | 0.3                           | C200        | 1.33                                                            |                                         |                               |                               |                                 |
| 2,000/4,000:5                        | 0.3                           | C100        | 2.0                                                             | 456,000                                 | 753X030013                    | 754X030013                    | 755X030013                      |
|                                      | 0.3                           | C200        | 1.0                                                             |                                         |                               |                               |                                 |

## JCW-3 and JCW-4 - 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 4.9.

### 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.

### 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 5.13.

### Nameplate

Please refer to General Product Information, item 6.1.

### Maintenance

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

### Mechanical Rating

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