

# 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.

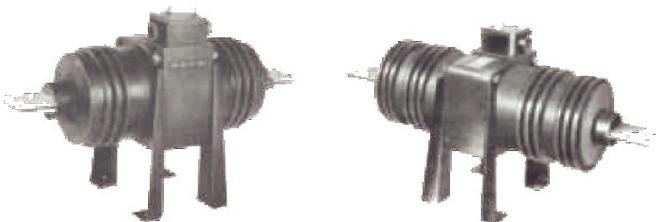
### ANSI Meter Accuracy Classification, 60 Hz

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

### Weight

(approximate, in pounds)

Transformer.....123/111 lbs



JCW-3 and -4 Current Transformer

JCW-5 Current Transformer



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

### 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 |
| 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 |



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

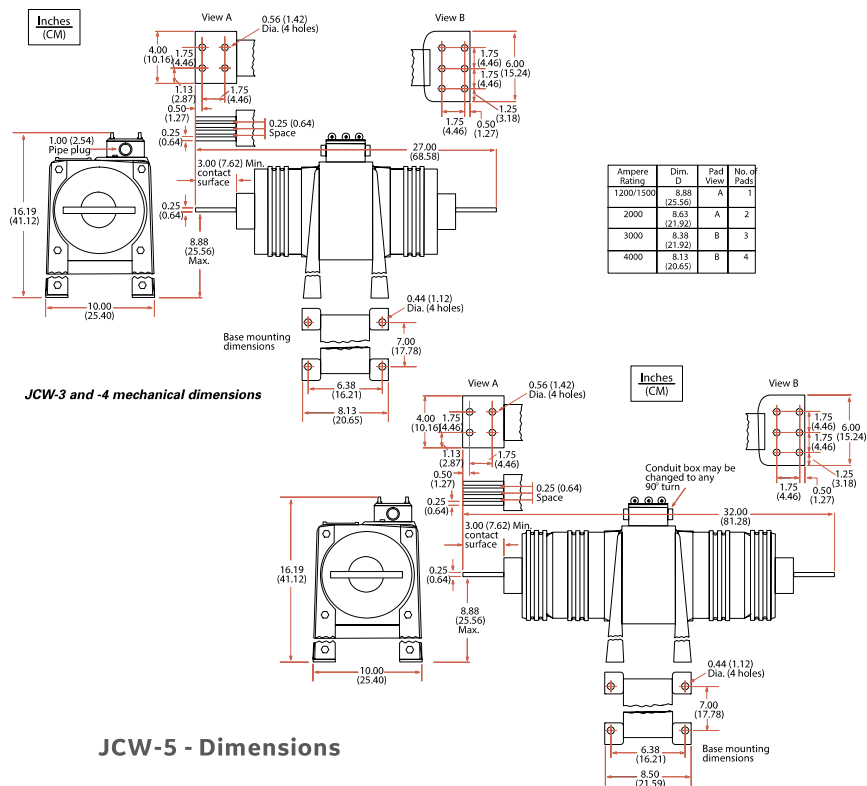
## JCW-3/JCW-4/JCW-5 Product Data

| CURRENT<br>RATIO (Amps)<br>PRI: Sec | ANSI ACCURACY CLASS, 60 Hz    |             | CONTINUOUS<br>THERMAL<br>CURRENT<br>RATING<br>FACTOR 30°C<br>AMBIENT | ONE-SECOND<br>THERMAL<br>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                                                                  |                                            |                               |                               |                                 |



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

## 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.

