

# GE

## Energy Connections

# Model 510

**Current Transformer**  
**Window Size 2.63" x 8.25"**

### Application

Relaying and metering.

### Frequency

50-400 Hz.

### Insulation Level

600 Volts, 10 kV BIL full wave.

### Continuous Thermal Rating Factor

50:5-3,000:5 1.33 at 30 °C. amb.,  
 1.0 at 55 °C. amb.  
 3,200:5 1.25 at 30 °C. amb.  
 4,000:5 1.0 at 30 °C. amb.  
 5,000:5 0.8 at 30 °C. amb.

Terminals are brass screws No. 10-32 with one flatwasher and lockwasher.

Cast resin construction.

Approximate weight 22 lbs.



REGULATORY AGENCY APPROVALS  
  
 Manufactured to meet the requirements of ANSI/IEEE C57.13.  
 Classified by U.L. in accordance with IEC 44-1

### Model 510

| Catalog Number | Current Ratio | Relay Class | ANSI Metering Class at 60 Hz |      |      |      |      | Secondary Winding Resistance (Ω @ 75 °C) |
|----------------|---------------|-------------|------------------------------|------|------|------|------|--|
|                |               |             | B0.1                         | B0.2 | B0.5 | B0.9 | B1.8 |  |
| 510—500        | 50:5          | —           | 4.8                          | —    | —    | —    | —    | 0.014                                    |
| 510—101        | 100:5         | —           | 1.2                          | 2.4  | 4.8  | —    | —    | 0.036                                    |
| 510—151        | 150:5         | C10         | 1.2                          | 1.2  | 2.4  | 4.8  | —    | 0.051                                    |
| 510—201        | 200:5         | C10         | 0.6                          | 0.6  | 1.2  | 2.4  | 4.8  | 0.077                                    |
| 510—251        | 250:5         | C20         | 0.6                          | 0.6  | 1.2  | 2.4  | 4.8  | 0.096                                    |
| 510—301        | 300:5         | C20         | 0.6                          | 0.6  | 0.6  | 1.2  | 2.4  | 0.115                                    |
| 510—401        | 400:5         | C20         | 0.3                          | 0.3  | 0.6  | 1.2  | 1.2  | 0.166                                    |
| 510—501        | 500:5         | C20         | 0.3                          | 0.3  | 0.6  | 0.6  | 1.2  | 0.214                                    |
| 510—601        | 600:5         | C20         | 0.3                          | 0.3  | 0.3  | 0.6  | 1.2  | 0.257                                    |
| 510—751        | 750:5         | C50         | 0.3                          | 0.3  | 0.3  | 0.6  | 0.6  | 0.362                                    |
| 510—801        | 800:5         | C50         | 0.3                          | 0.3  | 0.3  | 0.6  | 0.6  | 0.386                                    |
| 510—102        | 1,000:5       | C50         | 0.3                          | 0.3  | 0.3  | 0.6  | 0.6  | 0.386                                    |
| 510—122        | 1,200:5       | C50         | 0.3                          | 0.3  | 0.3  | 0.3  | 0.6  | 0.482                                    |
| 510—152        | 1,500:5       | C50         | 0.3                          | 0.3  | 0.3  | 0.3  | 0.3  | 0.723                                    |
| 510—162        | 1,600:5       | C100        | 0.3                          | 0.3  | 0.3  | 0.3  | 0.3  | 0.771                                    |
| 510—202        | 2,000:5       | C100        | 0.3                          | 0.3  | 0.3  | 0.3  | 0.3  | 0.964                                    |
| 510—252        | 2,500:5       | C200        | 0.3                          | 0.3  | 0.3  | 0.3  | 0.3  | 1.256                                    |
| 510—302        | 3,000:5       | C200        | 0.3                          | 0.3  | 0.3  | 0.3  | 0.3  | 1.200                                    |
| 510—322        | 3,200:5       | C200        | 0.3                          | 0.3  | 0.3  | 0.3  | 0.3  | 1.607                                    |
| 510—402        | 4,000:5       | C200        | 0.3                          | 0.3  | 0.3  | 0.3  | 0.3  | 1.928                                    |
| 510—502        | 5,000:5       | C200        | 0.3                          | 0.3  | 0.3  | 0.3  | 0.3  | 2.410                                    |



