

# MODEL PTM-0

## Indoor/Outdoor Voltage Transformer

10 kV BIL, 600 V



### Application

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

### Thermal Rating

55°C Rise above 30°C Ambient..... 200 VA

### Weight

(Approximate)

Unfused ..... 9.75 lbs.

### Reference Drawings

Outline..... 0122C02910

### Insulation Level

0.6 kV; BIL 10 kV full wave

### Frequency

60 Hz

### PTM-0

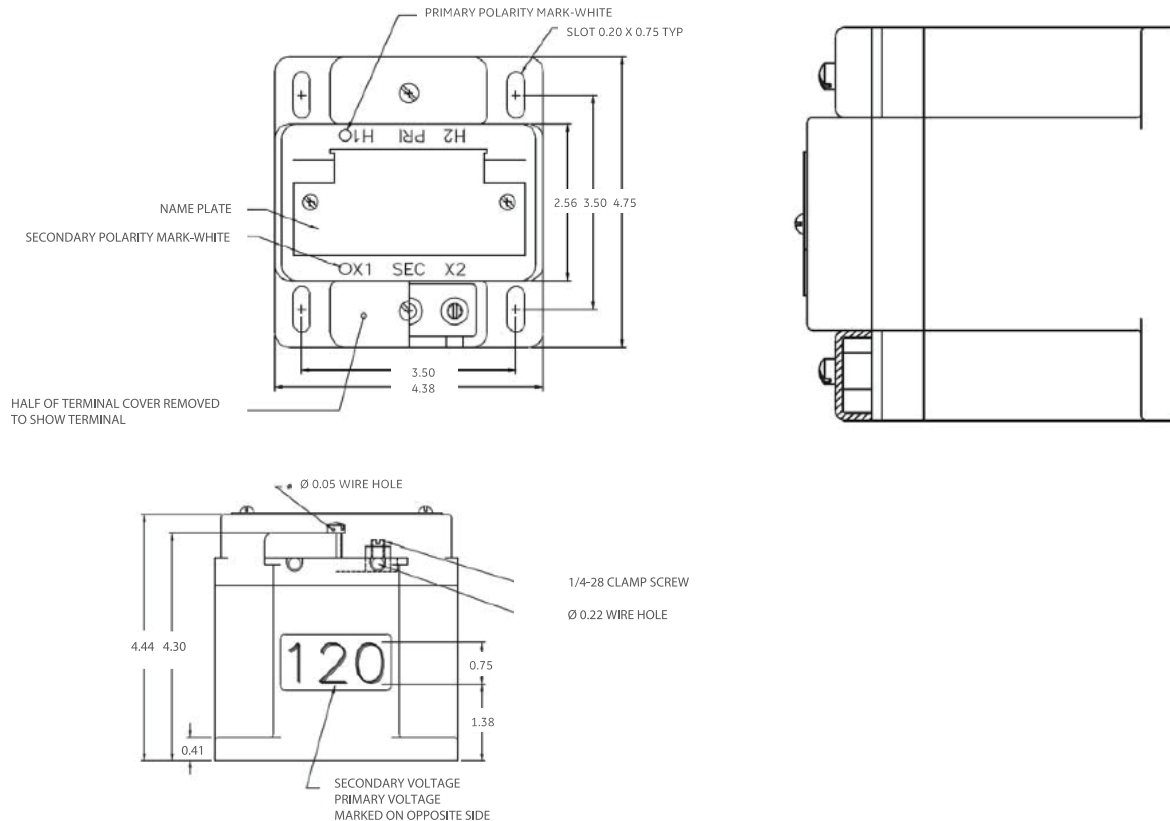
| TRANSFORMER RATING |       | IEEE ACCURACY CLASS, 60 Hz<br>BURDEN PER IEEE |     | APPROVAL NUMBER FROM<br>CCAC | CATALOG NUMBER |
|--------------------|-------|-----------------------------------------------|-----|------------------------------|----------------|
| PRIMARY VOLTAGE    | RATIO | W                                             | X   |                              |                |
| 120                | 1:1   | 0.3                                           | 0.6 | T-148-2                      | 420-001        |
| 240                | 2:1   | 0.3                                           | 0.6 | T-148-2                      | 420-002        |
| 300                | 2.5:1 | 0.3                                           | 0.6 | T-148-2                      | 420-003        |
| 360                | 3:1   | 0.3                                           | 0.6 | T-148                        | 420-004        |
| 480                | 4:1   | 0.3                                           | 0.6 | T-148-1                      | 420-005        |
| 600                | 5:1   | 0.3                                           | 0.6 | T-148                        | 420-006        |

\* For these models please contact factory for availability and approval number from CCAC for revenue metering application.



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### Construction and Insulation

The core and coil are placed in a plastic shell made from Valox and encapsulated in a polyurethane.

### Core and Coils

The primary and secondary coils are precision wound on an insulated spool. Once the coils are wound, a distributed gap, grain oriented silicone steel core is positioned through the center of and around the outside of this combined coil.

### Primary Terminals

These compression terminals, identified as H1 and H2, are conveniently located on top of the transformer. They are fixed, tin plated, brass posts with holes to accommodate No. 6 to No. 14 wire sizes. The brass screws for securing wires to the posts are tin-plated.

### Secondary Terminals

These compression terminals, identified as X1 and X2, are conveniently located on top of the transformer. They are fixed,

### Nameplates

The nameplate is laser engraved aluminum. It is mounted on the top of the transformer. Provision is made for attaching the user's identifying tag.

### Cover

A transparent, plastic terminal cover is furnished over the primary and secondary terminals. This cover provides a safe means of observing the electrical connections without requiring its removal.

### Maintenance

These transformers require no maintenance other than occasional cleaning.

