



# Indoor Current Transformer

## Model JCT-0C – 600V, 10kV BIL

With Integral Primary Bar



### APPLICATION

Designed for indoor service; suitable for operating meters and instruments, on both single-phase two-wire circuits and polyphase circuits.

### WEIGHT

(approximate)  
 Transformer, without base .....7.0 lbs  
 Low Base, add .....0.25 lbs  
 High (EEI) Base, add .....1.0 lbs

### REFERENCE DRAWINGS

Outlines .....0121C33682

### INSULATION LEVEL

0.6kV; BIL 10kV full wave.

### FREQUENCY

50-60 Hz

JCT-0C DATA TABLE							
Current Ratio (Amps) Pri : Sec	ANSI Accuracy Class, 60Hz Burden Per ANSI			Continuous Thermal Current Rating Factor		Catalog Number	
	B-0.1	B-0.2	B-0.5	@30°C Amb.	@55°C Amb.	With Secondary Hardware and Cover	Without Secondary Hardware and Cover
<b>Without Base</b>							
200:5	0.3	0.3	0.6	2.0	1.5	750X123202	750X123102
400:5	0.3	0.3	0.6	2.0	1.5	750X123204	750X123104
600:5	0.3	0.3	0.3	2.0	1.5	750X123206	750X123106
800:5	0.3	0.3	0.3	1.5	1.0	750X123208	750X123108
<b>With Low Base</b>							
200:5	0.3	0.3	0.6	2.0	1.5	750X123212	750X123112
400:5	0.3	0.3	0.6	2.0	1.5	750X123214	750X123114
600:5	0.3	0.3	0.3	2.0	1.5	750X123216	750X123116
800:5	0.3	0.3	0.3	1.5	1.0	750X123218	750X123118
<b>With High (EEI) Base</b>							
200:5	0.3	0.3	0.6	2.0	1.5	750X123222	750X123122
400:5	0.3	0.3	0.6	2.0	1.5	750X123224	750X123124
600:5	0.3	0.3	0.3	2.0	1.5	750X123226	750X123126
800:5	0.3	0.3	0.3	1.5	1.0	750X123228	750X123128

### Construction and Insulation

The core and coil are enclosed in a case molded with GE Valox® thermoplastic polyester resin. This tough material has excellent electrical and mechanical properties over a wide temperature range and is resistant to oil and a variety of chemicals.

### Core and Coils

The core is made from high quality grain oriented silicon steel, annealed under rigidly controlled factory conditions. The secondary winding is made of heavy enameled copper wire evenly distributed around the core for maximum accuracy and resistance to stray fields from adjacent conductors.

### Terminals

Secondary terminals are tin plated brass, compression type with a 0.275" diameter cross-hole for wiring and a ¼-28 clamp screw. A shorting device is provided and interlocked to the terminal cover. The terminal cover is made of a clear plastic. Provision is made for sealing the cover.

### Polarity

The H1 polarity mark is molded into the case, above the window at one end. The X1 polarity mark is also molded into the case adjacent to the secondary terminal. Both H1 and X1 are also marked with white dots.

### Primary Bars

Formed from copper tube for 200 & 400 Amp ratings, or solid copper bar for 600 & 800 Amp ratings, they are tin-plated. They are non-removable and have a potential connector that can be attached above or below the bar at either end. Primary bars conform to ANSI C12.11.

### Nameplates

The nameplate is a polyester label attached to the molded housing. A polyester rating label is attached to the side of the unit and identifies the nominal current rating in large numerals.

### Base plate and Mounting

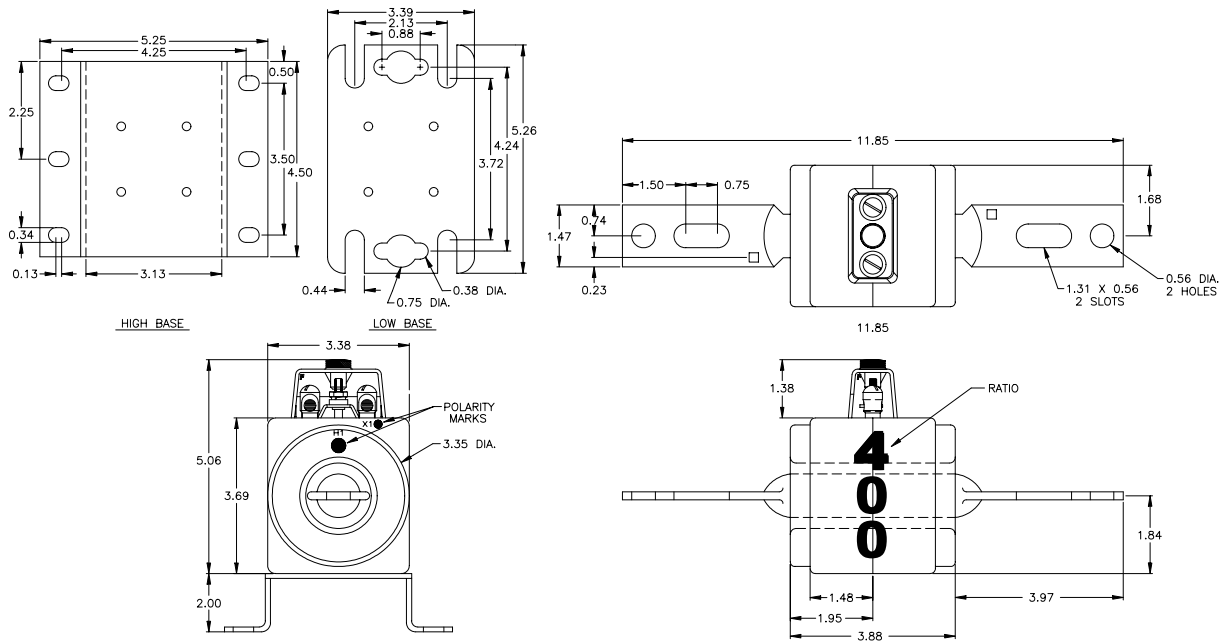
The transformer can be mounted in any position and may be suspended from the bus-bar or cable. It has provision for attaching two optional bases. Bases are made from heavy steel and painted. The high base increases the transformer height by 2 inches and meets the dimensions specified in ANSI C12.11

### Maintenance

These transformers require no maintenance, other than occasional cleaning if installed where air contamination is severe.

Data subject to change without notice

To purchase or obtain more information about GE Instrument Transformer products, please call GE's Charlotte Service Center at 1-800-431-7867. Product information is also available on our web site at <http://www.GEIndustrial.com>. Click on the Product Index button (right column), select Transformers and follow the menus to **Product Information** or a **Solutions Advisor**.



JCT-0C Dimensions



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