

POWER MONITORING & PROTECTION

SPLIT-CORE CURRENT TRANSFORMERS 600T, 601T

DESCRIPTION

The **Electromatic Industries Model 600T and 601T split-core current transformers** provide a low amperage current output proportional to line current. They are for use in energy management control and metering applications, and are ideal for use as inputs to power monitors like the **endicator™** and current transducers like Models 4CTV and 4CMA. These transformers are designed to be assembled around an existing insulated conductor without the need for dismantling the primary bus or cables. The portion of the transformers marked "This End Removable" can be disassembled and then reassembled around the conductors that require current monitoring.



601T
(shown with end removed)



Electromatic
Industries LLP.



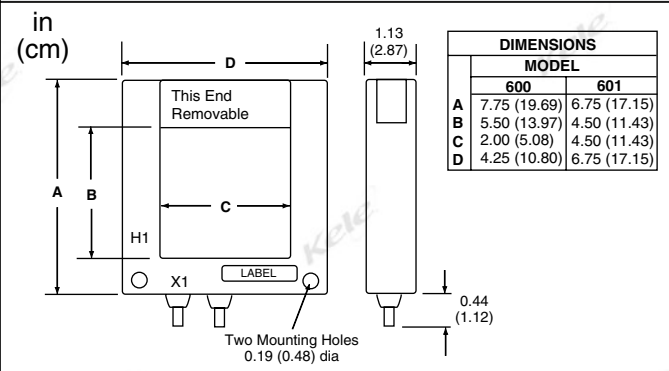
FEATURES

- **5A secondary**
- **Split-core construction for easy installation**
- **Brass stud terminals #8-32 with one flat washer, lockwasher and regular nut**

SPECIFICATIONS

Secondary Current	0-5A
Frequency	50-400 Hz
Insulation Class	600V, 10 kV BIL Full Wave
Continuous Thermal Current	
Resistor Factor	1.33 @ 30°C (86°F) ambient 1.0 @ 55°C (131°F) ambient
Terminations	Brass stud terminals with nut, flat washer, lockwasher
Materials Of Construction	Plastic, UL94V-1
Window Size	
600T	2.0" x 5.5" (5.08 x 13.97 cm)
601T	4.5" x 4.5" (11.43 x 11.43 cm)
Weight	1.5 lb (0.68 Kg)
Approvals	UL File #E238872; CSA File #245941
Warranty	1 year

DIMENSIONS



CAUTION: Proper safety precautions must be followed by a trained electrician during installation. It is recommended that the incoming power be deenergized before installation. The current transformer must have its secondary terminals short-circuited or the burden (load) connected before energizing the primary circuit. For indoor use only. Use on insulated conductor only.

ORDERING INFORMATION

MODEL 600T - 2.0" x 5.5" (5.1 x 14 cm) Window					
MODEL	CURRENT RATIO	ANSI METER CLASS @ 60 Hz			ACCURACY CLASS WITH UNITY POWER FACTOR
		B0.1 2.5 VA	B0.2 5 VA	B0.5 12.5 VA	
600T-401	400:5	2.4	4.8	--	± 1% @ 1.5 VA
600T-501	500:5	2.4	4.8	--	± 1% @ 2.0 VA
600T-601	600:5	2.4	2.4	--	± 1% @ 2.5 VA
600T-801	800:5	1.2	1.2	2.4	± 1% @ 5.0 VA
600T-102	1000:5	1.2	1.2	2.4	± 1% @ 7.5 VA
600T-122	1200:5	0.6	1.2	1.2	± 1% @ 15.0 VA
600T-162	1600:5	0.6	0.6	1.2	± 1% @ 20.0 VA
600T-202	2000:5	0.6	0.6	0.6	± 1% @ 30.0 VA
MULTI RATIO		CURRENT RATIO			
600T-122-801	1200/800:5				

MODEL 601T - 4.5" x 4.5" (11.4 x 11.4 cm) Window					
MODEL	CURRENT RATIO	ANSI METER CLASS @ 60 Hz			ACCURACY CLASS WITH UNITY POWER FACTOR
		B0.1 2.5 VA	B0.2 5 VA	B0.5 12.5 VA	
601T-301	300:5	--	--	--	± 1% @ 0.5 VA
601T-401	400:5	4.8	--	--	± 1% @ 1.0 VA
601T-501	500:5	4.8	4.8	--	± 1% @ 1.5 VA
601T-601	600:5	2.4	4.8	--	± 1% @ 2.0 VA
601T-801	800:5	1.2	2.4	4.8	± 1% @ 2.5 VA
601T-102	1000:5	1.2	1.2	4.8	± 1% @ 5.0 VA
601T-122	1200:5	1.2	1.2	2.4	± 1% @ 10.0 VA
601T-152	1500:5	1.2	1.2	1.2	± 1% @ 15.0 VA
601T-162	1600:5	1.2	1.2	1.2	± 1% @ 15.0 VA
601T-202	2000:5	0.6	0.6	1.2	± 1% @ 20.0 VA
MULTI RATIO		CURRENT RATIO			
601T-122-MR	1200/800/400:5				

Example: 601T-102 Split-core current transformer with a current ratio of 1000:5 and a window size of 4.5" x 4.5" (11.4 x 11.4 cm)