

POWER MONITORING & PROTECTION



SOLID-CORE CURRENT TRANSFORMERS RL SERIES

DESCRIPTION

The **Electromagnetic Industries RL Series Solid-Core Current Transformers** provide a low-amperage current output proportional to line current and are for use in building automation and metering applications. These low-cost current transformers are ideal as inputs to power monitors, such as the **Indicator™** and current transducers, such as Models **4CTV** and **4CMA**.



RL



Electromagnetic Industries LLP.



FEATURES

- **5A secondary**
- **Flexible leads are UL 1015 105°C, CSA approved, #16 AWG, 24" L (61 cm)**
- **UL recognized component, CSA certified**

SPECIFICATIONS

Secondary Current	0-5A
Frequency	50-400 Hz
Insulation Class	600V, 10 kV BIL, Full Wave
Lead Wires	24" (61 cm), 16 AWG
Materials Of Construction	Plastic, UL94V-1
Weight	
2RL	0.5 lb (0.23 Kg)
5RL	1.0 lb (0.45 Kg)
7RL	1.5 lb (0.63 Kg)
8RL	2.5 lb (1.2 Kg)
Approvals	UL-recognized component, File #E238872; CSA File #245941
Warranty	1 year

CAUTION: Proper safety precautions must be followed by a trained electrician during installation. It is recommended that the incoming power be de-energized 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 conductors only.

ORDERING INFORMATION

CURRENT RATIO CODE	CURRENT RATIO	MODELS							
		MODEL 2RL		MODEL 5RL		MODEL 7RL		MODEL 8RL	
		Outer dia 2.46" (6.25 cm) Window dia 1.05" (2.67 cm)	Outer dia 3.56" (9.0 cm) Window dia 1.56" (3.9 cm)	Outer dia 4.58" (11.6 cm) Window dia 2.50" (6.4 cm)	Outer dia 5.73" (14.6 cm) Window dia 3.25" (8.3 cm)	Accuracy %	VA	Accuracy %	VA
500	50:5	±3	2.0	±2	1.0	--	--	--	--
750	75:5	±2	2.0	±2	1.5	--	--	--	--
101	100:5	±1	2.0	±2	2.0	±2	2.5	--	--
151	150:5	±1	4.0	±1	5.0	±1	5.0	--	--
201	200:5	±1	4.0	±1	5.0	±1	5.0	±1	5.0
251	250:5	±1	6.0	±1	10.0	±1	5.0	±1	7.5
301	300:5	±1	8.0	±1	12.5	±1	12.5	--	--
401	400:5	±1	10.0	±1	12.5	±1	15.0	±1	25.0
501	500:5	--	--	±1	20.0	±1	25.0	±1	35.0
601	600:5	--	--	±1	25.0	±1	30.0	±1	50.0
751	750:5	--	--	±1	25.0	±1	30.0	--	--
801	800:5	--	--	±1	25.0	±1	35.0	±1	60.0
102	1000:5	--	--	±1	25.0	±1	35.0	±1	75.0
122	1200:5	--	--	--	--	±1	35.0	--	--
162	1600:5	--	--	--	--	±1	45.0	--	--
202	2000:5	--	--	--	--	--	--	±1	120.0
252	2500:5	--	--	--	--	--	--	±1	50.0

5RL — **201**
Model Current Ratio Code

Example: 5RL201 Model RL current transformer with 1.56" (3.9 cm) window diameter and a 200:5 current ratio

Important! Shaded items in Ordering Information are available by special order and are not returnable for credit.

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