

Overview

Model	Part Number	Primary	Output
RI-CT230-EW	RI-CT230-EW-032	32A	330mV
	RI-CT230-EW-063	63A	330mV



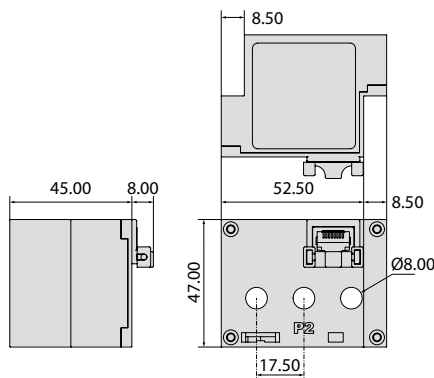
Specifications

Accuracy class	Class 1 to IEC/EN61869-6 & IEC/EN61869-2
Frequency range (f_s)	47...63 Hz
Highest Voltage (U_m)	0.72 KV r.m.s.
Rated continuous overcurrent	1 x rated current
Rated short time thermal current (I_{th})	<60 I_n / 1 second
Rated dynamic current (I_{dyn})	2.5 I_n
Rated secondary burden	> 1 K Ω
Rated insulation level	3KV r.m.s. 50 Hz/1 min
Operating temperature range	-25°C ...40°C
Storage temperature range	-40°C ...85°C
Relative humidity	≤ 85% non-condensing
IP rating	Housing: IP40, Terminal: IP20
Housing material	Self-extinguishing polycarbonate
Altitude of operation	≤ 2000m



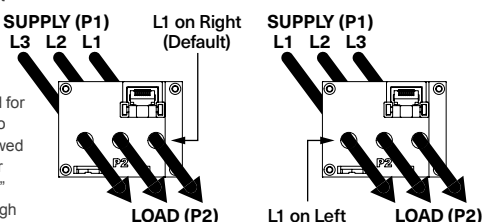
Developed and manufactured in accordance with the applicable EU regulations EN61010 and Low Voltage Directive 2014/35/EU.

Dimensions (mm)



Orientation

All **THREE PHASE** easywire® current transformers as default are configured to monitor incoming supplies (L1 on right-hand side when viewed from the P2 face). If the transformer is to be used for load monitoring (requiring L1 to be on left-hand side when viewed from the P2 face), the operator must perform the "To Change" procedure described in Rayleigh Instruments easywire® meters operating manual.



Product Safety Precautions



Safety related notification, symbols and instructions that appear in this operating manual or on the equipment must be strictly followed to ensure the safety of personnel as well as the instrument.

If the equipment is not used in a manner specified by the manufacturer it may impair the protection provided by the equipment.

- Do not use the equipment if there is any mechanical damage
- Do not exceed the device's maximum limits of rating
- No repairs, maintenance or adjustments are possible
- Read all instructions prior to installation or operating the unit
- The equipment in its installed state must not come into close proximity to any heating sources, oils, steam, caustic vapours or other unwanted process by-products
- Do not use in hazardous or classified location where explosion or other dangers can be triggered by the device

Installation Precautions



Risk of electric shock! To avoid personal and material damage, the installation process must be performed by qualified and trained personnel only.

- To prevent the risk of electrocution, always isolate and lock-off the power supply to the equipment prior to undertaking any work
- Always confirm absence of electricity prior to starting work using appropriate voltage detection equipment
- Wiring shall be done strictly according to the terminal layout
- Copper cable should be used
- Confirm that all connections are correct before energizing the equipment
- Routing of connecting cables should be away from any internal EMI sources

Content

	Current Transformer	1
	Foot Mount Bracket	2
	DIN Rail Mounting Bracket	1
	Sealable RJ Cable Cover	1
	Installation Guide	1

Case Interlinking

The design of the housing allows for the current transformers to be interlinked allowing for multiples of three phase circuits to be monitored.

