

iWSN-110X-PCT-DC

iWSN Current Sensing Module with 1-ch CT Input and 1 Expansion Interface (Asia Only)

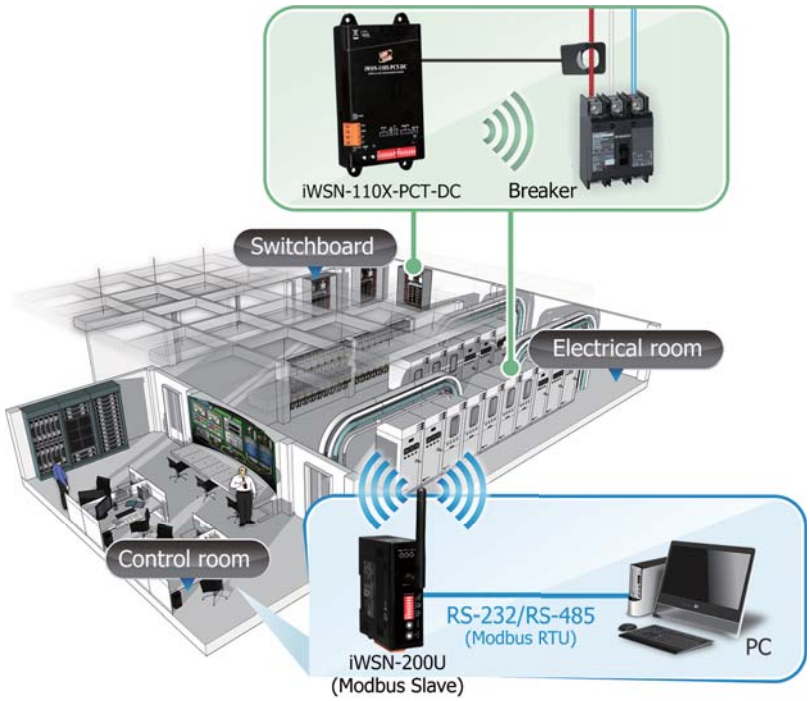
Features

- Split-core current transformer (CT) for easy installation
- Uses 433 MHz radio frequency for communication.
- 16 RF Channels and 4 Group ID, consist of maximum 64 RF sub-networks
- Supports maximum 400A open-core CT.
- Provides expansion interface for flexibility and expansibility.
- Offers wall-mount mechanism and magnet for installation

Introduction

The iWSN-110X-PCT-DC can realize true wireless deployment through Sub-1G's RF communication interface. The diversified IO interface, such as split-core CT and NTC thermistor (Requires expansion module) provides users more choices for various applications. Considering the maintenance and installation, the iWSN sensing module uses the DIP switch and rotary switch for configuration. Through the flexibility of the expansion interface and good price performance, the iWSN sensing module can be widely used in the application of saving power, big data analysis, and predict maintenance.

Applications



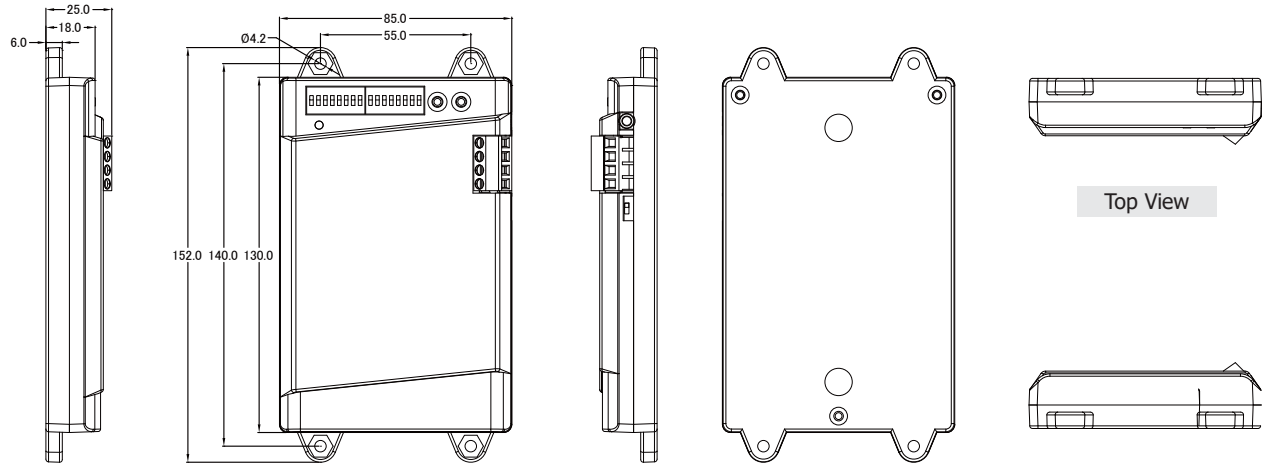
System Specifications

Bus Interface	
Channels	1
Type	4 pole 3.5mm audio cable with 25 cm wire lead
EMS Protection	
EFT (IEC 61000-4-4)	+/- 500 V
ESD (IEC 61000-4-2)	+/- 4 kV Contact
CT	
Split-core CT Channels	1
Split-core CT Type	Φ16mm (100A), Φ24mm (200A), or Φ36mm (400A); 8 m wire
Input Voltage	Maximum 500VAC, 50/60 Hz
Accuracy	±3% or ±0.3A
Antenna	
Type	0 dBi Omni directional PCB antenna

Power	
Consumption	0.5W Max.
Input Type	+10 to +30 VDC
Mechanical	
Dimensions (mm)	85 x 152 x 25 (W x L x H)
Installation	Wall-mount or magnet adsorption
Environment	
OperatingTemperature	0 °C ~ +45 °C
Storage Temperature	-20 °C ~ +50 °C
Humidity	10 ~ 90% RH, Non-condensing

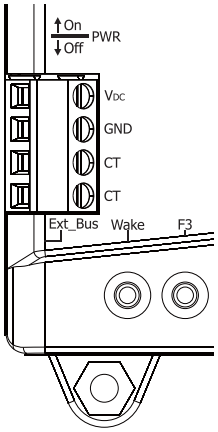
LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000

Dimensions (Units: mm)



Left Side View | Front View | Right Side View | Rear View | Top View | Bottom View

Pin Assignments



Switch	Introduction	
PWR	ON	Power On
	OFF	Power Off

Button	Introduction
Wake	Manually wake up
F3	Reserved

Pin	Name	Introduction
4	VDC	+10V ~ +30VDC
3	GND	Ground
2	CT	Split-core CT pin, no directionality, support measuring and charging function
1	CT	

Extensiom bus	Introduction
Ext_Bus	Empty or connect extension module

Ordering Information

iWSN-110X-PCT-DC CR	iWSN Current Sensing Module with 1-ch CT Input and 1 Expansion Interface (RoHS) (Optional 100A/200A/400A CT) (Asia Only)

Related Products

iXN-7CT5 Series	iXN Extension Module (RoHS)

LRI Distribuída no Brasil pela LRI | vendas@lri.com.br | 51 2129-3000