



### Product Overview

AX-KWH-Ri3 meter is an accurate and cost effective solution for measurement and display of all major electrical and power quality parameters. Its easy programming, mounting and user friendly navigation makes the Ri3 dms the ideal choice for customers who require reliable energy measurement. The unit is mounted in a DIN rail enclosure, has a backlit LCD display and user programmable CT ratios . The Ri3 measures 17 electrical parameters including total harmonic distortion (THD) measurement up to the 31st harmonic

### Features

- DIN Rail enclosure
- Backlit LCD screen
- Pulse and Modbus output as standard
- Programmable CT ratio 1 to 9999A
- True RMS measurement
- User programmable system configuration

### Product Specifications

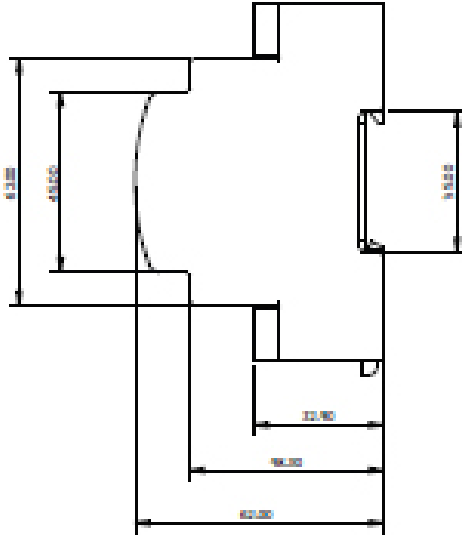
<b>Nominal Input Voltage Range:</b>	100 to 289Vac L-N (175 to 500Vac L-L) 45-66Hz																																	
<b>Maximum Voltage Overload:</b>	120% of nominal																																	
<b>Maximum Short Duration Voltage:</b>	2 x range maximum																																	
<b>Nominal Burden:</b>	< 0.2VA per phase																																	
<b>Nominal Input Current:</b>	5AAC rms																																	
<b>Max Overload Current:</b>	6A																																	
<b>Maximum Short Duration Current:</b>	50A																																	
<b>Auxiliary Operating Range:</b>	110 to 400 Vac nominal +/- 10% or 120 to 350Vdc +/- 20%																																	
<b>Burden:</b>	<10VA/5W																																	
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<b>Output :</b>	Pulsed output relay 50mA @250Vac (2) Modbus 2- wire half duplex baud rate 2400, 4800, 9600, 19200, 38400																																	
<b>Enclosure:</b>	DIN Rail mount																																	
<b>Dimensions:</b>	72 x 90 as per DIN 43880																																	
<b>Operating Temperature Range:</b>	-10 to + 55 deg C (0-90% RH non-condensing)																																	
<b>Front Protection Rating:</b>	IP52 (case rating IP 30)																																	
<b>Weight:</b>	300gms																																	
<b>Conformity:</b>	IEC 61326, IEC 61010-1, IEC 62053-21																																	
<b>Country of Origin:</b>	United Kingdom																																	

**Order Codes -**

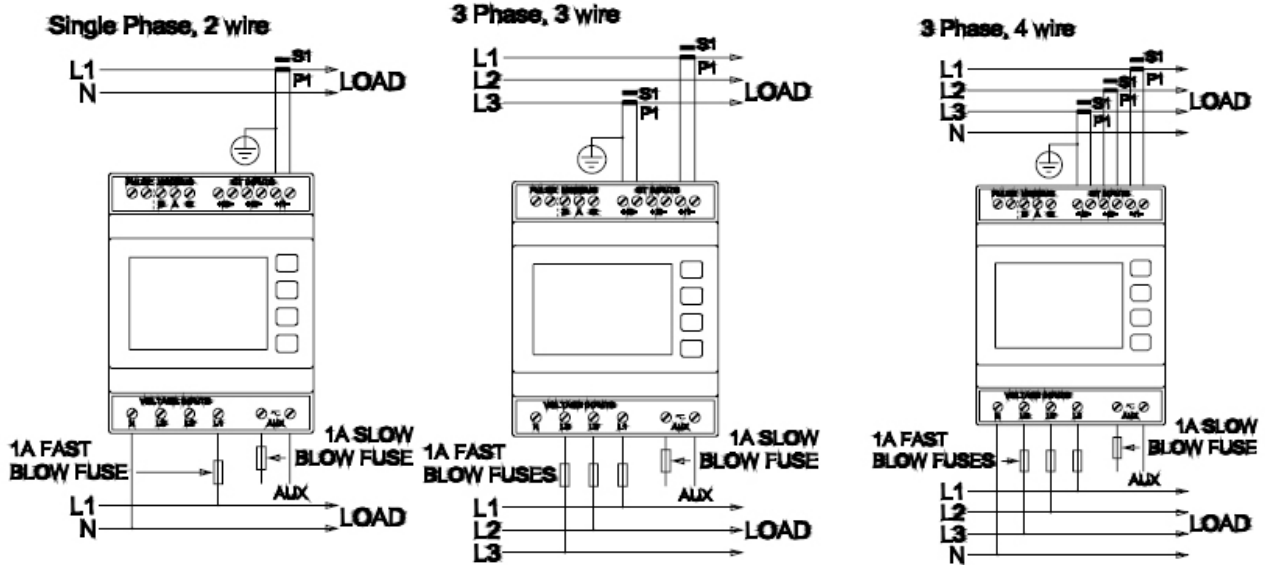
AX-KWH-Ri3

Ri3 DIN Rail mounted digital metering system

**Dimensions**



**Wiring Diagrams -**



## Parameters -

Button	Screen	Parameters
V/Hz	1	Volts L1 - N Volts L2 - N Volts L3 - N
	2	Volts L1 - L2 Volts L2 - L3 Volts L3 - L1
	3	Frequency
	4	Volts L1 - N THD% Volts L2 - N THD% Volts L3 - N THD%
	5	Volts L1 - L2 THD% Volts L2 - L3 THD% Volts L3 - L1 THD%
A	1	Current L1 Current L2 Current L3
	2	Neutral Current
	3	L1 Current Max Demand L2 Current Max Demand L3 Current Max Demand
	4	Neutral Current Max Demand
	5	Current L1 THD% Current L2 THD% Current L3 THD%
P/PF	1	kW kVA kVA
	2	kW Max Demand
	3	Power Factor
E	1	Import kWh
	2	Export kWh
	3	Import kVAh
	4	Export kVAh