

Eniscope Installation Summary



What is It?

Eniscope 8 is a multi-channel, three phase energy meter and sensing system combined with a processing facility designed to gather, summarize, store and transmit energy-related information to web based servers for presentation and analysis. Data can be viewed in real-time on any computer, or across a range of portable devices, from anywhere in the world. Historical data can be accessed and analysed, at one-minute resolution via the BEST Analytics Platform.

Installation Requirements

Electrician - This person should be competent and have experience working with three-phase electrical distribution systems. They should also have a good working knowledge and understanding of electrical schematics and be able to assist you in identifying the most suitable monitoring locations, as well as to installing the Eniscope in accordance with local safety standards and regulations.

IT Networking Technician - An excellent knowledge of networking: both wired and wireless, for small and large configurations. With detailed understanding of router configurations that include port mapping, firewall rules and access lists. A broad knowledge of TCP/IP concepts. Whilst a theoretical understanding is good, you require someone with practical experience and who is able to troubleshoot.

Mini Din Rail

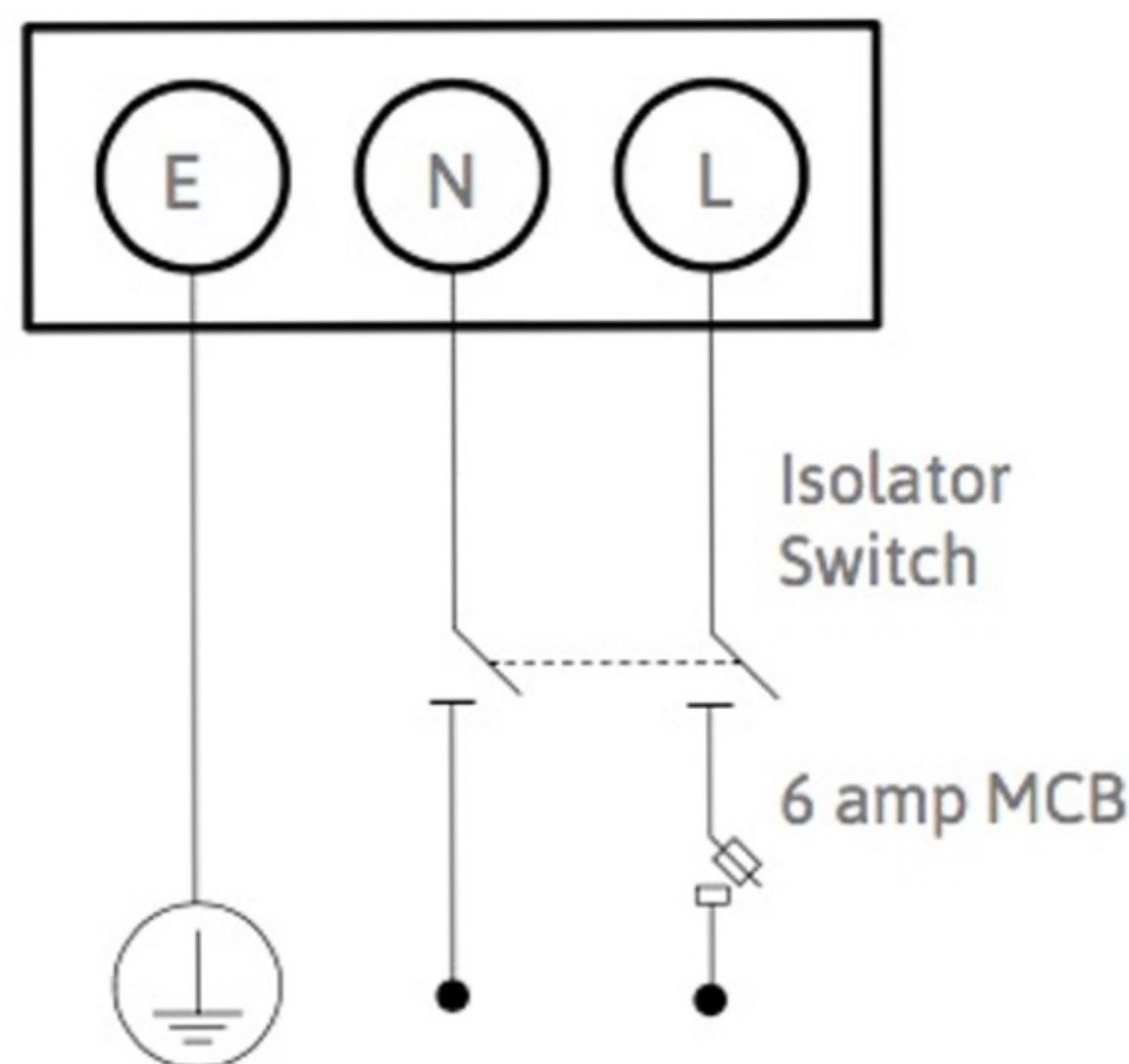


Dimensions

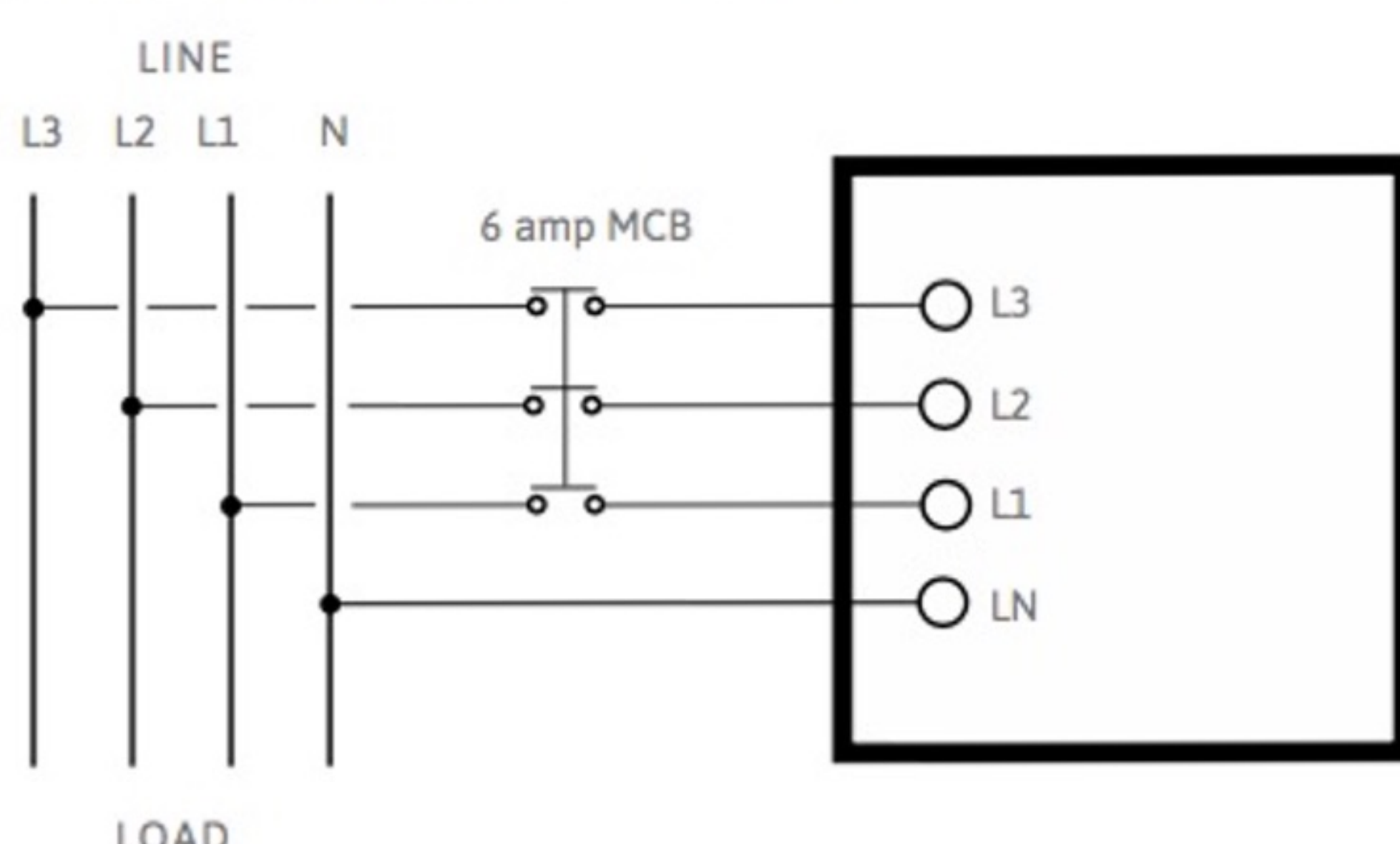
Height	200 mm
Width	207 mm
Depth	60 mm
Weight	1.4 kg



Additional Mounting Hole



Three Phase Connection (3LN) 3-Phase 4-Line (Most common connection)



1. Mount the Eniscope

The Eniscope 8 is designed to be mounted vertically on a wall or other suitable surface, using the supplied DIN rail next to the DB board or circuit that will be monitored.

Installation Time: 15min Electrician

2. Single-Phase Aux Power Supply

The Eniscope 8 requires an Aux power (100 to 240 V~ Nominal) supply to energise the processor and metering elements. The typical power consumption is low (20W) and can be supplied by an independent source (or by the three-phase voltage reference).

Installation Time: 30min Electrician

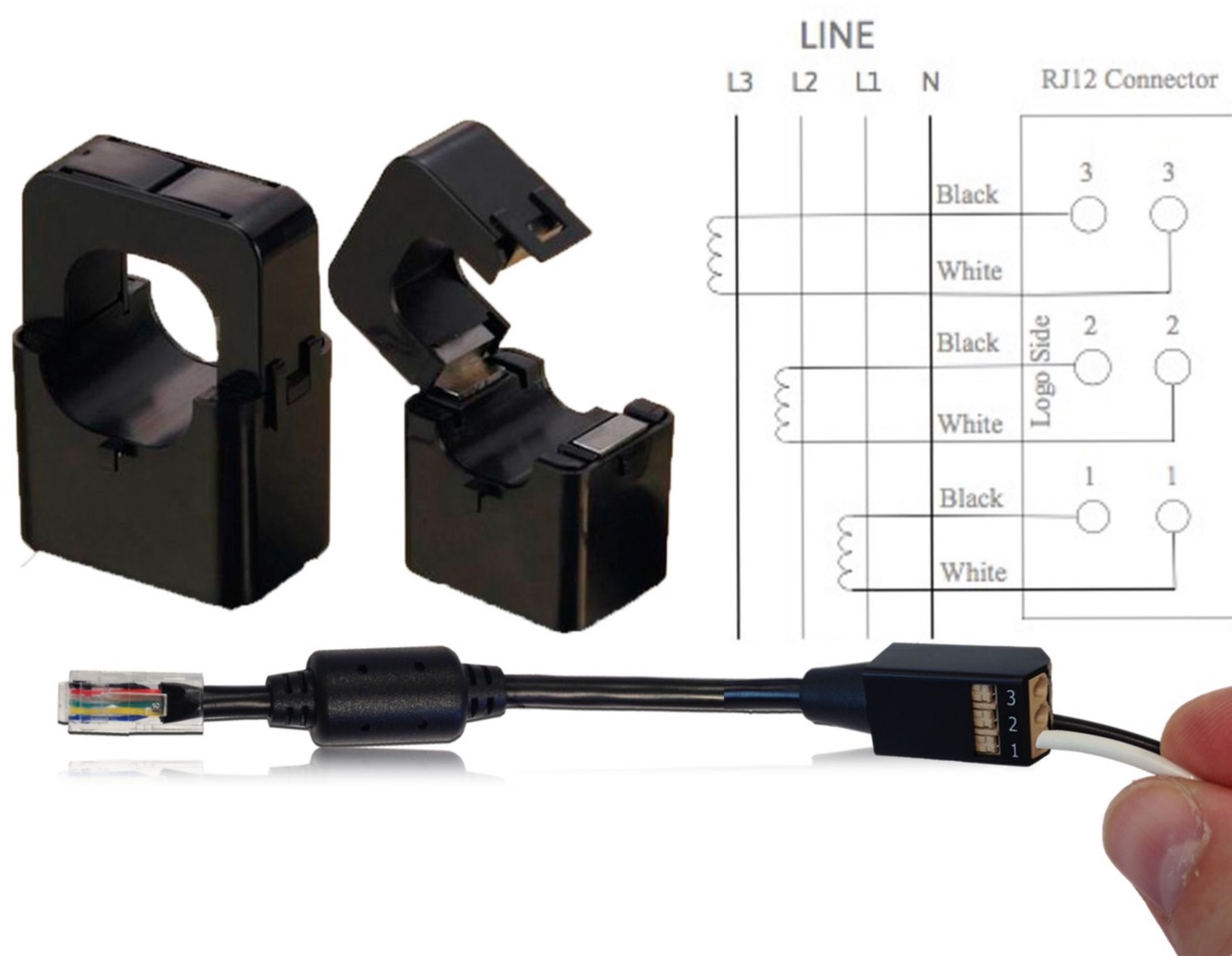
3. Three-Phase Voltage Reference

To provide all of the required electrical parameters the Eniscope 8 needs to monitor three-phase voltage.

A 6-amp triple pole MCB 'B' trip curve should be used on the voltage measurement input terminals.

Maximum input voltage for the Eniscope must not exceed 346LN/600LL V~ rms

Installation Time: 30min Electrician



4. Install Current Transformers (CT's)

Each monitored circuit requires a CT placed on each phase to calculate the current flow.

The CT's used are split-core and have an output of 0.333V. To speed up the installation special push-fit adaptors are used.

Up to 8 three-phase or 24 single-phase circuits can be monitored per Eniscope Hybrid.

Installation Time: **10min per circuit** (Electrician)



5. Connect to the Network

The Eniscope is a networked device designed to collect measured data and send this via HTTP to the cloud for historical data viewing. As such a network connection with internet access is required.

Installation Time: **10min** (Network Administrator)



6. Configuration

We have a number of Admin tools to assist with cloud setup and network configuration. Further details can be found within our support tools at:

<http://help.bestsupportdesk.com>

Installation Time: **30min** (Network / Administrator)