



# NESPOLA - putting technology to work

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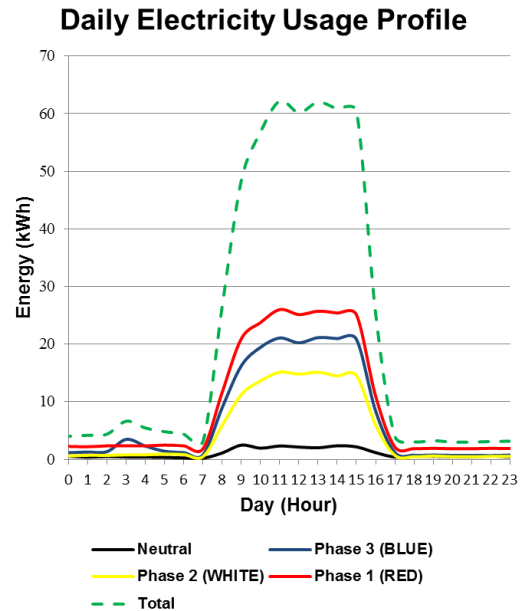
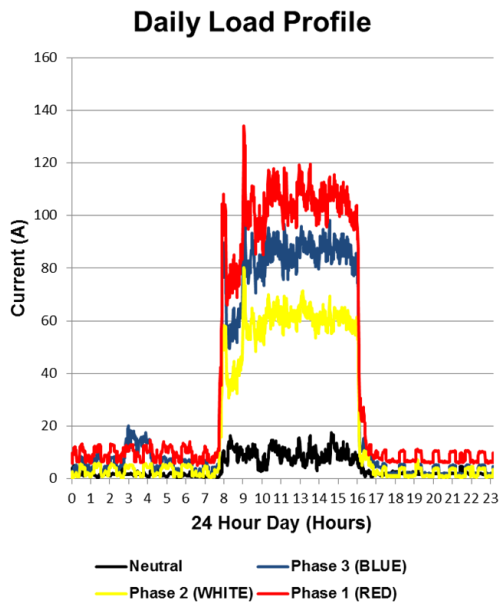
## LOAD REMOTE - Multi-Channel

**Load Remote** is a Remote Terminal Unit (RTU) that measures AC current in up to five (5) circuits and facilitates on-line monitoring. All data is transmitted back to a secure database utilising modern communication networks at a programmable interval. The user is provided with a web login and password and able to quickly retrieve, view and download data on-line.

Load Remote is ideal for monitoring loads on circuits and switchboards to record load profiles that can be used to identify slow changing events such as long duration interruptions, outages and derive estimates of usage patterns.

Load Remote is also useful as a diagnostic tool to assess load sharing and load balancing on single and three phase systems. Load Remote is intended for applications requiring long term monitoring and where periodic site visits may not be feasible or access difficult.

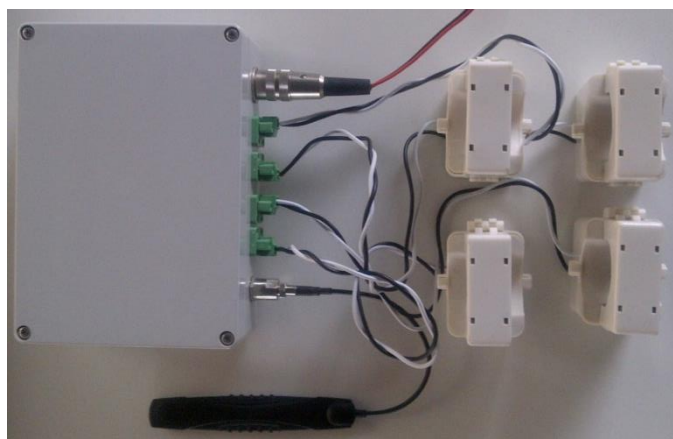
Some common monitoring applications include: ac motors and pumps for pool, irrigation, lighting, data centres, air conditioning equipment and switchboards.



## INSTALLATION



## HARDWARE





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## KEY SPECIFICATIONS

### PARAMETER

#### General electrical

Rated load current  
Working voltage  
Power source

### SPECIFICATION

500A standard, other options available.  
600V max.  
External 12V DC.

#### Channels

AC current <sup>(1)</sup>  
Temperature <sup>(2)</sup>

AC current, up to five (5) channels or circuits.  
Optional: Temperature inputs. Combinations of (1) and (2) totalling five channels.

#### Communications

Remote communications  
Device communications

Tri-Band UMTS (850MHz/900MHz/2100MHz); Dual-Band GSM/GPRS (900MHz/1800MHz).  
RS-232 for programming

#### Data Pitching

Programmable transmit interval

1 minute minimum

#### Physical

Dimensions (H x W x D)  
Material  
Rating  
Operating temperature

171 x 121 x 55 mm  
Polycarbonate, moulded in light grey  
IP65, NEMA4  
-20°C to 70°C

## SOFTWARE

Load Remote is software configurable. RTU software included.

## CALIBRATION

Each Load Remote is factory calibrated. The calibration values are saved within the RTU.

## CURRENT SENSOR OPTIONS



Flexible current sensors:  
500A, 1000A (CAT III 600V)  
3000A (CAT IV 600V)



Miniature split-core  
current transformers:  
25A, 50A, 100A,  
200A, 400A  
(CAT II 600V)



Clamp-on current  
transformers:  
100A, 200A, 500A  
(CAT IV 600V)