

## SmartRipple LED Description

### General Installation Information

#### *Important:*

1. **Switch ON Delay:** The SmartRipple load switch has a delayed relay switch ON, which can be between 1 and 35 minutes. On power up the blue, red and green LED will flash and after the delay the green LED will stay on.
2. **Shed/Restore:** The electricity supplier will use this device to shift load to prevent power failures, so please contact them first to make sure that shedding is not taking place.
3. **Circuit breakers:** Each appliance connected to the SmartRipple device must be individually protected with a circuit breaker before the SmartRipple, smaller or equal to 20A.
4. **Earth Leakage:** an Earth Leakage breaker must protect all the appliances connected to the SmartRipple device.
5. **Terminals:** The tightening torques for the SmartRipple terminal screws are 0.5Nm and must be maintained annually by a qualified electrician.  
**N :** Neutral  
**L in :** Live in, from circuit breaker.  
**L load :** Live to appliance.
6. **Conductor:** The maximum conductor size used is 4 mm<sup>2</sup>, and it is recommended that ferrules be used.
7. Please note that the device terminals must always be treated as live connections, irrespective of the LED indication.



*SmartRipple*

#### *SmartRipple LED indications:*

- **Blue LED:**
  - Flashing: device is active – **Correct**.
  - Any other state:
    - o First check that the circuit breaker is **ON**.
    - o Contact the electricity supplier.
- **Red LED:**
  - **OFF:** Relay is **OFF** – **Correct**.
- **Green LED:**
  - **ON:** Relay is **ON** and there is an output voltage on the terminals – **Correct**.

*Continued*

# SmartRipple LED Description

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**Red & Green LED:**

- Flashing fast: Relay is **OFF** and in soft pickup mode. Usually after power failure – **Correct**.
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*Fault conditions:*

**Red & Green LED:**

- Both solid **ON**: Relay failure, switch circuit breaker off and contact the electricity supplier.
  - Both **ON** for 3 seconds, 0.5 second **OFF** : Faulty installation, switch circuit breaker off and contact the electricity supplier.
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***Danger:** please note that there are high voltages present on this equipment.*

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