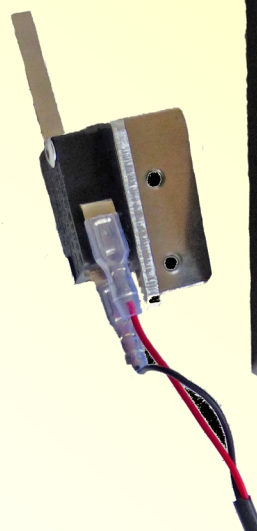


# Light Control Unit

Smart Controller for Ferromagnetic Ballasts

## MAIN FEATURES

- Individual management of light points within a network of public lighting (Motorways, roads, streets, residential zones etc.)
- Ability to drive ferromagnetic ballast using 3 different input voltage, in order to give energy saving
- Ability to control ferromagnetic ballast of 250W
- Exchange of information with a data concentrator (Ilon Smart Server™) via PLC (Power Line Communication). The exchange of information is in conformity with the LonWorks™ communication protocol.
- Energy meter, accuracy 1%, built-in for the measurement of the power consumed by the autotransformer and the ballast. Measurement of other parameters such as : input RMS current, input Voltage, input Power, Power Factor, etc.
- Leakage current detection function available on this product.
- Can be installed in the base of the pole, using Open Door and Inclined Pole detection systems.
- Built-in electronic controlgear with double or reinforced insulation



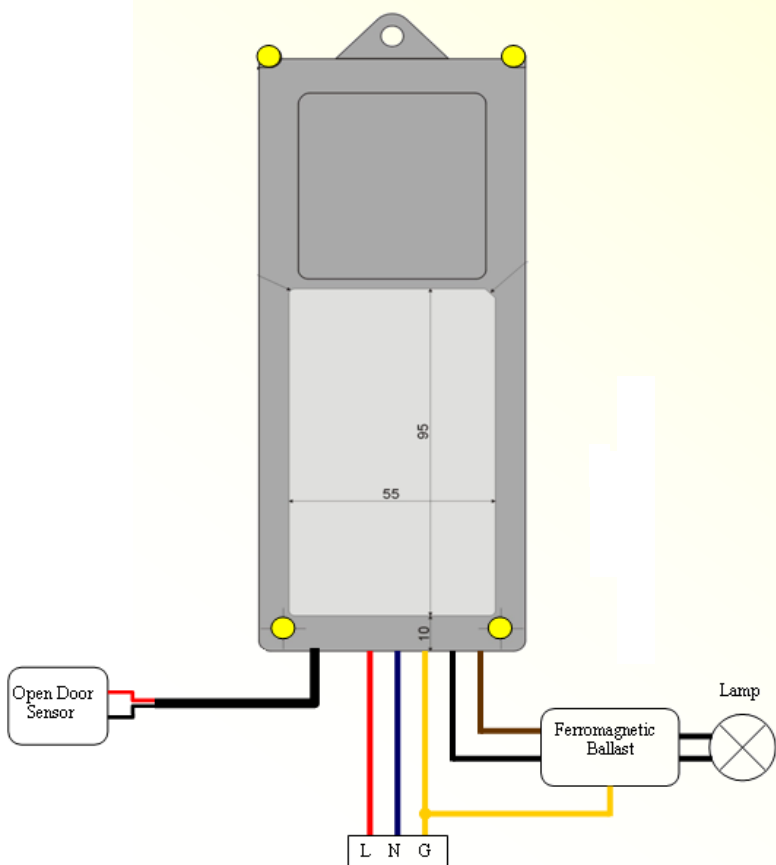
## PERFORMANCES

- The node generates an alarm in the event of abnormal power consumption.
- Alarms in the event of excessive values for the lamp voltage, current or power.
- Alarm when the Power Factor becomes too low.
- Detection of Lamp failure and Ballast failure.
- Alarm in the event of pole door open.
- Alarm when the pole is inclined.
- Measurement of leakage current up to 500mA. Alarm threshold adjustable, default is 100mA.
- Measurement of earth voltage level up to 300V. Alarm threshold adjustable, default is 24V.
- Alarm generated when PLC communication is lost.

Release Date : 09-05-2018

## TECHNICAL CHARACTERISTICS

Input Voltage	184 - 265 Vac
Frequency	57 - 63 Hz
Standby power consumption	3 W
Output Ballast Driving	250 W
Maximal Output current	5A
Protection against overvoltage	12 kV
Communication with concentrator	Bidirectional CPL, LonWorks™
Operating Temperature	-25°C to +60°C
Storage temperature range	-40°C to +75°C
Humidity	0 to 95 %
Weight	1200 g
Enclosure protection	IP 54
Life Span	> 15 years



*Connection Diagram*

## STANDARDS

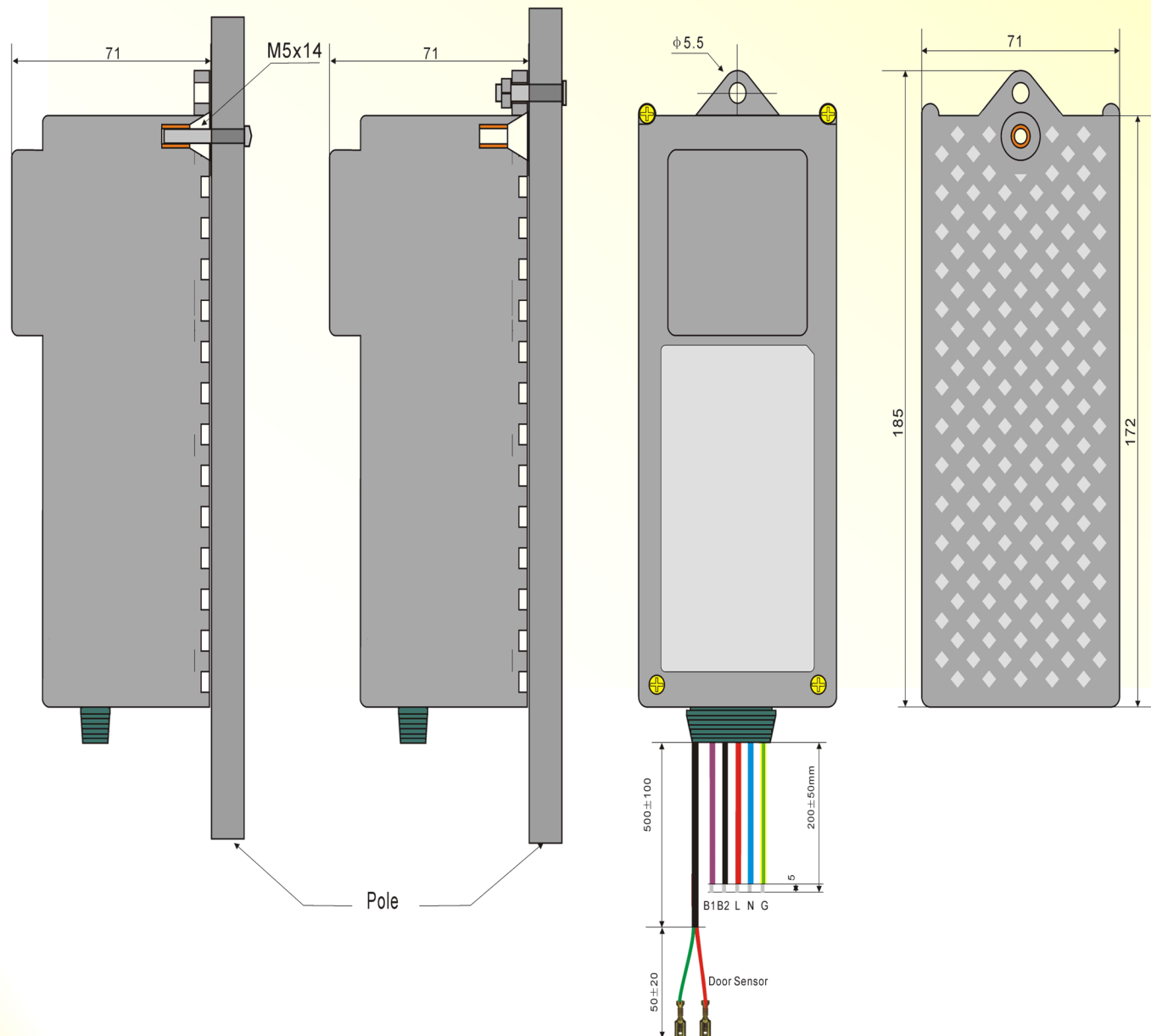
- **Communication PLC**
  - Compatible EN50065
  - C-Band : 125-140 Hz
- **Protocole LonWorks™**
  - ISO/IEC 14908 - 1 e 2
- **EMC Immunity**
  - IEC 61547
- **Environment**
  - RoHS
  - WEEE
- **EMC / EMI**
  - CISPR 22
  - Limits for Harmonics Current Emission
  - IEC 61000-3-2
- **Safety (CE)**
  - IEC 61347-2-11

*Release Date : 09-05-2018*

## Installation method - Node plate

Installation Method 1

Installation Method 2



## Installation method - Door sensor

### Installation

