

ELEGRP

# LIFE PROTECTIVE DEVICE

Create a safe electricity atmosphere

ELEGRP

[contact@elegrp.com](mailto:contact@elegrp.com)

1-866-267-3272

<https://www.elegrp.com>



eleGRP

The image features the word "eleGRP" in a large, bold, sans-serif font. The letters are white with a slight 3D effect and are set against a background of a blue sky with large, white, fluffy clouds. Each letter is filled with a different scene from a city, likely New York City, during the "blue hour" or twilight. The 'e' shows a dense city skyline with many lit windows. The 'l' features a prominent skyscraper, possibly the Empire State Building. The first 'e' contains a view of a city street with buildings and a body of water. The 'G' shows a city skyline with a sailboat in the foreground. The 'R' includes a view of a city with a bridge and a large ship. The final 'P' shows a bridge, likely the Manhattan Bridge, over a body of water. The overall composition is clean and modern, with a focus on urban architecture and maritime elements.



# Life Protective Device

---



Electricity scenes can be seen everywhere in our daily life, so how to use electrical appliances safely is particularly important. We will be much safer when using electrical appliances with life protective device. The principle of life protective device is very simple which is the power consumption exceeds a certain value, the device will automatically power off.



# Portable GFCI



- Portable GFCI's (Ground Fault Circuit Interrupters) offer protection for 2 wire or 3 wire appliances and tools.
- The bright “Green” light indicates when the power is “ON” .
- Rainproof, polycarbonate enclosure provides long service life and excellent resistance to harsh weather.
- Manual Reset Cord Sets will NOT automatically reset ON when power is applied or restored after a power interruption — RESET button must be actuated.
- Automatic Reset Cord Sets will automatically reset ON when plugged in or when power is restored after a power interruption.
- Portable GFCI are perfect for use in a variety of temporary power applications, such as recreation and marine vehicles, portable pools and generators, submersible pumps, vending machines and more.
- UL and CUL listed, and also UL Recognized.
- Test Every 5 Seconds - The GFCI outlet automatically conducts a self-test (auto-monitor) every 5 seconds to ensure the GFCI is continually working to protect people from electrocution, which exceeds the UL standards of self-test frequency of 3 hours.
- GFCI features surge protection and lightning protection function withstanding 6 kilovolt. Performed 6000+ times factory test, which is twice the testing times of UL standard.
- 12-gauge (12/3) SJTW soft drawn copper cabling, heavy cord with poly stranding for additional strength.

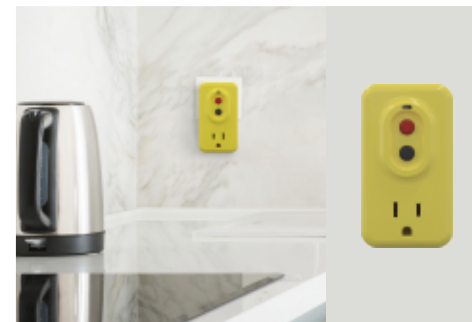


## In-line Type GFCI

**Water Resistant GFCI** - Auto Reset GFCI (Ground Fault Circuit Interrupter) with LED indicator reaches Level IP65 water proof.

**3 Way Outlets** - Allow for 3 equipment to be plugged in at once. The maximum total output power of the three outlets is 1875W (15A, 125V).

**Applications** - Durable industrial materials suit both for indoor and outdoor use in a variety of power pressure washer, pool pump, generators, vacuum cleaner, pumps, heaters, household electrical appliances, chargers, etc. UL & CUL Listed.



## Outlet Adapter Type GFCI

**Compact Size** - This GFCI adapter is small in size, makes it perfect for the toolbox and offers portable leakage protection for users and devices whenever needed.

**Applications** - Versatile Portable GFCI adapter is a great way to take safety with you and is suitable for indoor use in your bathroom, kitchen, basement and garage



## Compact plug-in Type GFCI

**Compact Design** - Compact design, can be placed in the waterproof box matched with ELEGRP.

**Water Resistant GFCI** - Auto Reset GFCI (Ground Fault Circuit Interrupter) with LED indicator reaches Level IP65 water proof.

**3 Way Outlets** - Allow for 3 equipment to be plugged in at once. The maximum total output power of the three outlets is 1875W (15A, 125V).

**Applications** - Durable industrial materials suit both for indoor and outdoor use in a variety of power pressure washer, pool pump, generators, vacuum cleaner, pumps, heaters, household electrical appliances, chargers, etc.



## Standard Plug-in Type GFCI

**Water Resistant GFCI** - Auto Reset GFCI (Ground Fault Circuit Interrupter) with LED indicator reaches Level IP65 water proof.

**3 Way Outlets** - Allow for 3 equipment to be plugged in at once. The maximum total output power of the three outlets is 1875W (15A, 125V).

**Applications** - Durable industrial materials suit both for indoor and outdoor use in a variety of power pressure washer, pool pump, generators, vacuum cleaner, pumps, heaters, household electrical appliances, chargers, etc.



# Leakage Current Detection and Interruption

- These are power supply cords provided with Leakage Current Detection and Interruption (LCDI). They consist of a length of shielded flexible cord with no termination on the load end and an LCDI attachment plug on the line end.
- These LCDIs are intended to trip if the nominal leakage between the cord shield and either load conductor exceeds a predetermined value. This is intended to reduce the possibility of a fire in the load side shielded cord.
- The cord shields are not grounded and they must be considered a shock hazard if they are exposed. They must not be connected to ground or to any exposed metal.
- This product has been evaluated and determined to be suitable for air conditioner loads in accordance with UL1699.



**Protection Technology** - The LCDI (Leakage Current Detection Interrupter) utilizes built-in shielded power conductors to sense breakage of hot line and white line in the power cord, avoiding the fire caused by arcing due to the aged power cord and leakage current.

**Security Assurance** - If a leakage current less than 5mA between the shield wire and the Neutral or Hot wire is detected, the LCDI immediately trips to interrupt the flow of electricity within 0.5s.

**Suitable for A/C** - The LCDI power cord is suitable for air conditioner loads, such as portable air conditioners, window air conditioners and PTAC (Packaged Terminal Air Conditioner) for indoor use.

**Easy Installation** - Comes with a 18AWG x 3C power cord of about 2.2 meters long with terminals for Hot wire (black), Neutral wire (white) and Ground wire (green) for easy wiring. Rated 120 Volt 10 Amp, 1200 Watt.

**UL Certificated** - Designed and tested in accordance with UL. Meet UL1699 requirements.





# Appliance Leakage Circuit Interrupter

- Appliance Leakage Circuit Interrupter is a device intended for protection of personnel from electrical shock hazards. Hair dryer is one typically of an appliance requiring an ALCI.
- ALCI will shut down the power to the appliance when there is a ground fault current of 6mA or more but not less than 4mA.
- Ground fault is a problem in an electrical system or appliance that has an unintentional electrical connection between a part of the appliance operating normally at some potential to ground, which can cause serious injury or even death if the personnel are exposed to it and the appliance has no ALCI or GFCI protection.
- UL approved ALCI is accepted by either UL approved appliances.

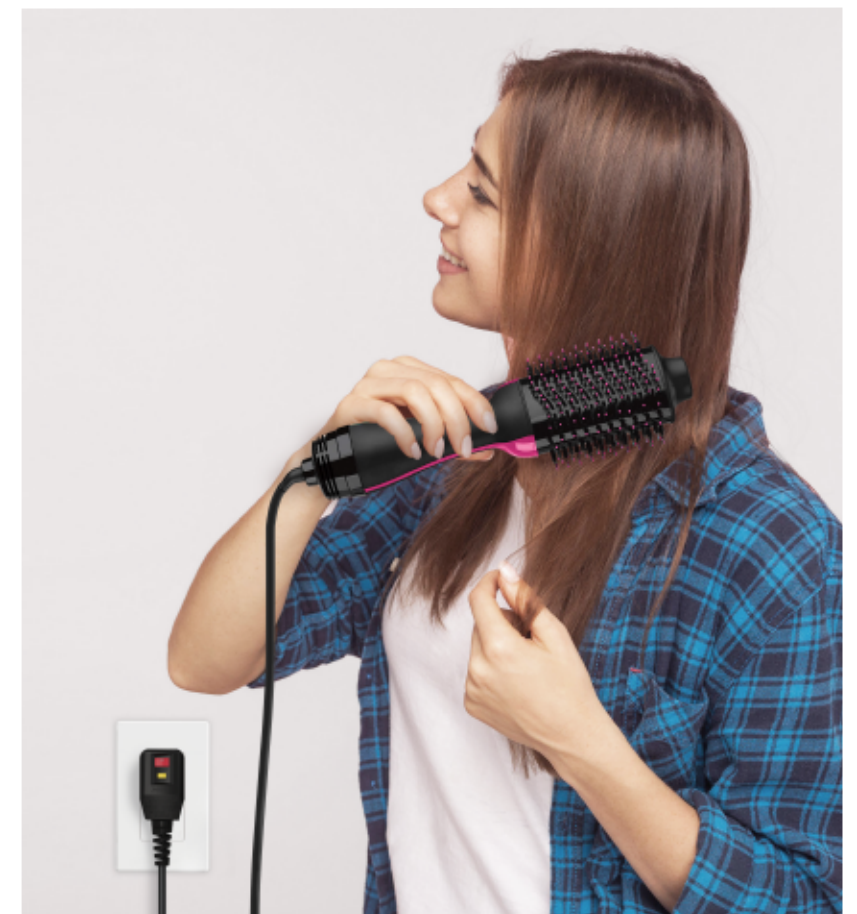


**Always Safe** - ALCI (Appliance Leakage Circuit Interrupter) plug is a device intended to protect people from electrical shock hazards caused by the ground fault. The ALCI will shut down the power immediately to the appliance when there is a ground fault leakage current between 4mA~6mA.

**Perfect for Hair Dryers** - The hair dryer is a typical appliance required to be protected by ALCI as per the latest requirement of UL859. Unique dual voltage rated 120/240VAC 60Hz makes the ALCI plug perfectly working with all types of hair dryers. Excellent tiny appearance and light-weight design are in line with the aesthetic of American women - the major purchaser of hair dryers.

**Patented** - The ALCI plug is covered by intellectual property rights and patents. Meet the latest UL943B standard. UL/CUL Listed.

**Wide Application** - The ALCI widely applies to the household appliances that are sold in the United States and North America, such as hair dryers, bathroom heaters, carpet cleaning machines, hair straighteners, curlers, electric scissors, electric woks, toasters, flatirons, electric heaters, electric irons, foot tubs, massagers, vacuum cleaners, electric tools, etc.





# Portable Residual Current Devices

- Residual Current Protection: Trips if the current in the loop exceeds the value initialized in the PRCD. This function complies with the National Standard GB/T 20044-2012 <Electrical accessories-Portable residual current devices without integral over current protection for household and similar use (PRCDs)>.
- Supply cord protection: Protects the power supply cords with the American technical specified by UL1699. Trips when there is Current Leakage (<5mA), which may be caused by aging wire, wire abrasion and animals bite (specially designed against the damage caused by pet in the city, mouse in the countryside and unconsciously cutting by children).
- Ground charged protection: When "G" is charged, it will cut off the power supply automatically.
- Bolt overheating protection: It will cut off the power supply automatically when the temperature of the plug exceeds the setting value. (e.g. Poor quality socket causes the temperature rise up between socket and male plug).
- Power supply indicators function.



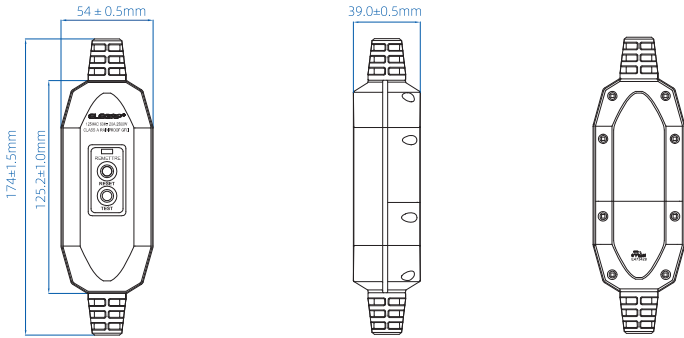


In-line Type GFCI

|                                      |                                                                                                     |                      |
|--------------------------------------|-----------------------------------------------------------------------------------------------------|----------------------|
| Safety Certification                 | E473428 (UL,CUL Certification)                                                                      |                      |
| Application Standard                 | UL943/CSA 22.2 No. 144.1                                                                            | UL498/CSA 22.2 No.42 |
| Operating Temperature Range          | -35°C ~ +66°C                                                                                       |                      |
| Rated Voltage                        | 125Vac                                                                                              |                      |
| Rated Current                        | GFCI 20A                                                                                            |                      |
| Rated Frequency                      | 60Hz                                                                                                |                      |
| Rated Residual Operating Current     | 4mA ~ 6mA                                                                                           |                      |
| Action Time for the Residual Current | T= (20/I) <sup>1.43</sup> mS    6mA ≤ 1S                                                            |                      |
| Endurance                            | ≥6000 times ( 3000 per UL standard )                                                                |                      |
| Voltage Surge Withstand              | 6KV/3KA                                                                                             |                      |
| Standard Cord Set                    | Configure the UL standard cord per clients' demands:<br>12AWG(20A)、14AWG(15A)、16AWG(13A)、18AWG(10A) |                      |
| Reset                                | Auto-reset type and manual reset type   could be configured as per client's demand                  |                      |
| Colors                               | As per clients' demands ( black BL101 is recommended in priority )                                  |                      |
| UL listed and UL recognized          | UL certifications: configured as per client's demand before delivery                                |                      |
| Waterproof Grade                     | UL50E 3R                                                                                            |                      |
| Plug Configuration                   | 5-15P、5-20P、1-15P、1-20P ( optional)                                                                 |                      |

Dimensions

|        |             |
|--------|-------------|
| Height | 174 ± 1.5mm |
| Width  | 54 ± 0.5mm  |
| Depth  | 39 ± 0.5mm  |



Model: In-line Type GFCI

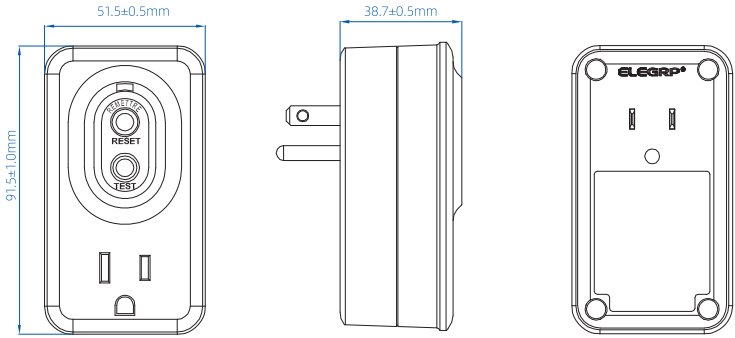


Outlet Adapter type GFCI

|                                      |                                                                                                     |                       |
|--------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------|
| Safety Certification                 | E473428 (UL,CUL Certification)                                                                      |                       |
| Application Standard                 | UL943/CSA 22.2 No. 144.1                                                                            | UL498A/CSA 22.2 No.42 |
| Operating Temperature Range          | -35°C ~ +66°C                                                                                       |                       |
| Rated Voltage                        | 125Vac                                                                                              |                       |
| Rated Current                        | GFCI 20A                                                                                            |                       |
| Rated Frequency                      | 60Hz                                                                                                |                       |
| Rated Residual Operating Current     | 4mA ~ 6mA                                                                                           |                       |
| Action Time for the Residual Current | T= (20/I) <sup>1.43</sup> mS    6mA ≤ 1S                                                            |                       |
| Endurance                            | ≥6000 times ( 3000 per UL standard )                                                                |                       |
| Voltage Surge Withstand              | 6KV/3KA                                                                                             |                       |
| Standard Cord Set                    | Configure the UL standard cord per clients' demands:<br>12AWG(20A)、14AWG(15A)、16AWG(13A)、18AWG(10A) |                       |
| Reset                                | Auto-reset type and manual reset type   could be configured as per client's demand                  |                       |
| Colors                               | As per clients' demands ( black BL101 is recommended in priority )                                  |                       |
| UL listed and UL recognized          | UL certifications: configured as per client's demand before delivery                                |                       |
| Plug type                            | 5-15P                                                                                               |                       |

Dimensions

|        |              |
|--------|--------------|
| Height | 91.5 ± 1mm   |
| Width  | 51.5 ± 0.5mm |
| Depth  | 38.7 ± 0.5mm |



Model: Outlet Adapter type GFCI



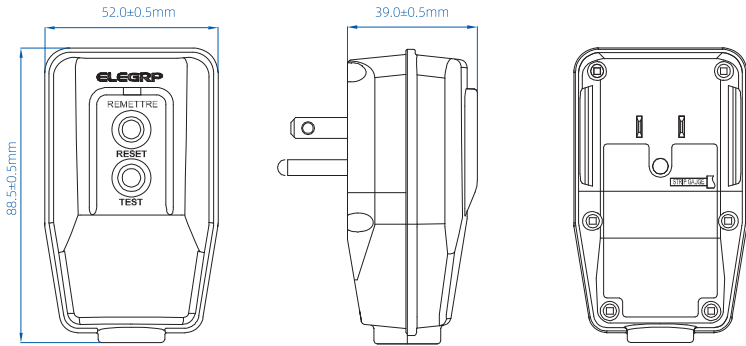


Compact Plug-in type GFCI

|                                      |                                                                                                     |
|--------------------------------------|-----------------------------------------------------------------------------------------------------|
| Safety Certification                 | E473428 (UL,CUL Certification)                                                                      |
| Application Standard                 | UL943/CSA 22.2 No. 144.1      UL498/CSA 22.2 No.42                                                  |
| Operating Temperature Range          | -35°C ~ +66°C                                                                                       |
| Rated Voltage                        | 125Vac                                                                                              |
| Rated Current                        | GFCI 15A or 20A ( optional )                                                                        |
| Rated Frequency                      | 60Hz                                                                                                |
| Rated Residual Operating Current     | 4mA ~ 6mA                                                                                           |
| Action Time for the Residual Current | T= ( 20/I ) <sup>1.43</sup> mS                                                                      |
| Endurance                            | ≥6000 times ( 3000 per UL standard )                                                                |
| Voltage Surge Withstand              | 6KV/3KA                                                                                             |
| Standard Cord Set                    | Configure the UL standard cord per clients' demands:<br>12AWG(20A)、14AWG(15A)、16AWG(13A)、18AWG(10A) |
| Reset                                | Auto-reset type and manual reset type could be configured as per client's demand                    |
| Colors                               | As per clients' demands ( black BL101 is recommended in priority )                                  |
| UL listed and UL recognized          | UL certifications: configured as per client's demand before delivery                                |
| Waterproof Grade                     | UL50E 3R                                                                                            |
| Plug Configuration                   | 5-15P、5-20P、1-15P ( optional )                                                                      |

Dimensions

|        |              |
|--------|--------------|
| Height | 88.5 ± 0.5mm |
| Width  | 52 ± 0.5mm   |
| Depth  | 39 ± 0.5mm   |



Model: Compact Plug-in Type GFCI

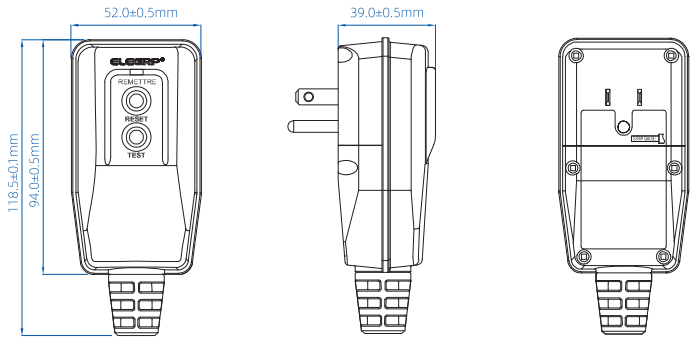


Standard Plug-in Type GFCI

|                                      |                                                                                                     |
|--------------------------------------|-----------------------------------------------------------------------------------------------------|
| Safety Certification                 | E473428 (UL,CUL Certification)                                                                      |
| Application Standard                 | UL943/CSA 22.2 No. 144.1      UL498/CSA 22.2 No.42                                                  |
| Operating Temperature Range          | -35°C ~ +66°C                                                                                       |
| Rated Voltage                        | 125Vac                                                                                              |
| Rated Current                        | GFCI 15A or 20A ( optional )                                                                        |
| Rated Frequency                      | 60Hz                                                                                                |
| Rated Residual Operating Current     | 4mA ~ 6mA                                                                                           |
| Action Time for the Residual Current | T= ( 20/I ) <sup>1.43</sup> mS                                                                      |
| Endurance                            | ≥6000 times ( 3000 per UL standard )                                                                |
| Voltage Surge Withstand              | 6KV/3KA                                                                                             |
| Standard Cord Set                    | Configure the UL standard cord per clients' demands:<br>12AWG(20A)、14AWG(15A)、16AWG(13A)、18AWG(10A) |
| Reset                                | Auto-reset type and manual reset type could be configured as per client's demand                    |
| Colors                               | As per clients' demands ( black BL101 is recommended in priority )                                  |
| UL listed and UL recognized          | UL certifications: configured as per client's demand before delivery                                |
| Waterproof Grade                     | UL50E 3R                                                                                            |
| Plug Configuration                   | 5-15P、5-20P、1-15P ( optional )                                                                      |

Dimensions

|        |               |
|--------|---------------|
| Height | 118.5 ± 0.1mm |
| Width  | 52 ± 0.5mm    |
| Depth  | 39 ± 0.5mm    |



Model: Standard Plug-in Type GFCI



L15515 / 15515W

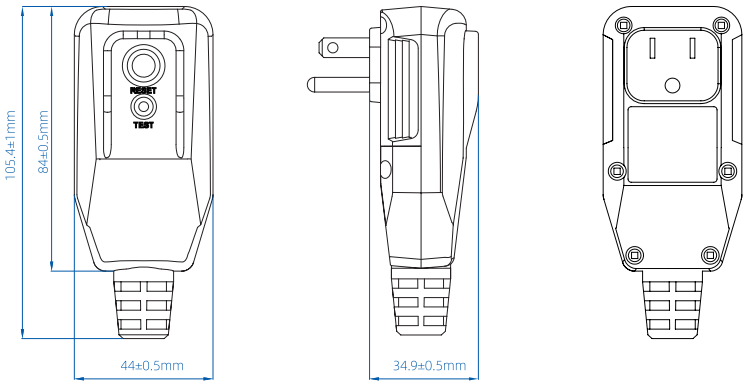


L15520 / L15520W

|                                             |                |         |                |         |
|---------------------------------------------|----------------|---------|----------------|---------|
| Rating (A. V.)<br>&<br>Wiring Specification | 120V 10A 1200W | 3×18AWG | 120V 10A 1200W | 3×18AWG |
|                                             | 120V 13A 1560W | 3×16AWG | 120V 13A 1560W | 3×16AWG |
|                                             | 120V 15A 1800W | 3×14AWG | 120V 15A 1800W | 3×14AWG |
|                                             |                |         | 120V 16A 1920W | 3×14AWG |
|                                             |                |         | 120V 18A 2160W | 3×14AWG |
|                                             |                |         | 120V 20A 2400W | 3×12AWG |
|                                             |                |         |                |         |
| Plug Type                                   | 5-15P          |         | 5-20P          |         |
| Color                                       | Optional       |         | Optional       |         |
| UL File                                     | E250451        |         | E250451        |         |

Dimensions

|        |              |
|--------|--------------|
| Height | 105.4 ± 1mm  |
| Width  | 44 ± 0.5mm   |
| Depth  | 34.9 ± 0.5mm |



Model: L15515 / L15515W  
L15520 / L15520W  
L15615 / L15615W  
L15620 / L15620W



L15615 / L15615W



L15620 / L15620W

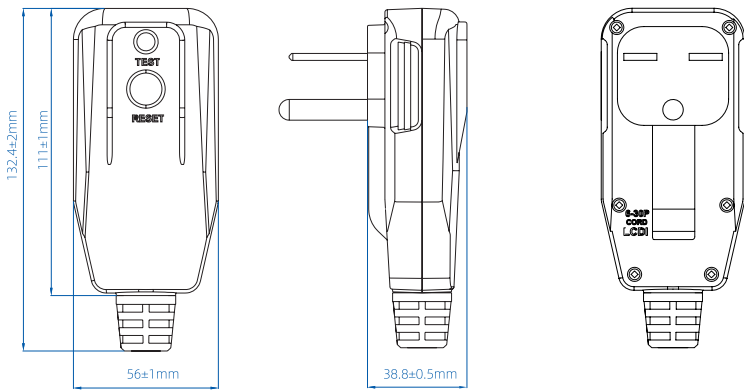


L15630 / L15630W

|                                             |                |         |                |         |                |         |
|---------------------------------------------|----------------|---------|----------------|---------|----------------|---------|
| Rating (A. V.)<br>&<br>Wiring Specification | 240V 10A 2400W | 3×18AWG | 240V 10A 2400W | 3×18AWG | 240V 20A 4800W | 3×12AWG |
|                                             | 240V 13A 3120W | 3×16AWG | 240V 13A 3120W | 3×16AWG | 240V 25A 6000W | 3×12AWG |
|                                             | 240V 15A 3600W | 3×14AWG | 240V 15A 3600W | 3×14AWG | 240V 30A 7200W | 3×10AWG |
|                                             |                |         | 240V 16A 3840W | 3×14AWG |                |         |
|                                             |                |         | 120V 18A 4320W | 3×14AWG |                |         |
|                                             |                |         | 240V 20A 4800W | 3×12AWG |                |         |
|                                             |                |         |                |         |                |         |
| Plug Type                                   | 6-15P          |         | 6-20P          |         | 6-30P          |         |
| Color                                       | Optional       |         | Optional       |         | Optional       |         |
| UL File                                     | E250451        |         | E250451        |         | E250451        |         |

Dimensions

|        |              |
|--------|--------------|
| Height | 132.4 ± 2mm  |
| Width  | 56 ± 1mm     |
| Depth  | 38.8 ± 0.5mm |



Model: L15630 / L15630W





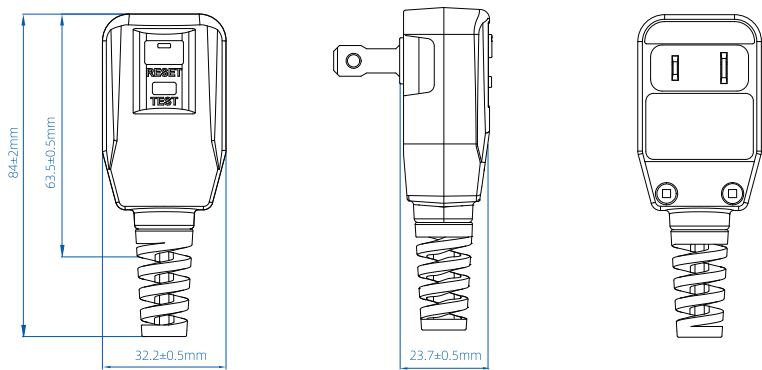
AL18

|                     |                                                                         |
|---------------------|-------------------------------------------------------------------------|
| Rated Volts         | 125 / 250 VAC                                                           |
| Rated Current       | Max 15 A<br>( 5A,7A,10A,12A, 13A,15A, according to wire specification ) |
| Frequency           | 60 Hz                                                                   |
| Tripping Current    | 4~6 mA                                                                  |
| Tripping Time       | ≤25mS (T=(20/I) 1.43 mS)                                                |
| Applicable Standard | UL943B                                                                  |
| Plug Configuration  | 1-15 P(Polarized)                                                       |
| Colors              | Customizable                                                            |
| Applicable Cord Set | Customizable                                                            |

Dimensions

|        |              |
|--------|--------------|
| Height | 84± 2mm      |
| Width  | 32.2 ± 0.5mm |
| Depth  | 23.7 ± 0.5mm |

Model: AL18



P15 In-line Type



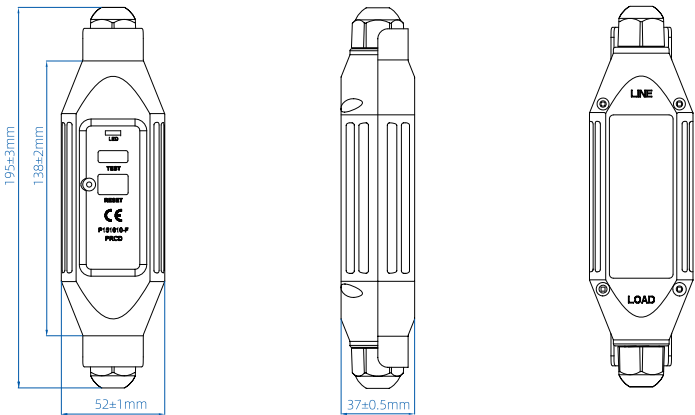
P151610-F/P151630-F

|                                   |                                                                                                                                 |                   |                         |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------|
| Features                          | This series product model is complete, additional optional function is much, applicable scope is wide.<br><br>CE/TUV Certified. |                   |                         |
| Type                              | In-line Type(CCC)                                                                                                               | In-line Type (CE) | In-line Type (CE) (TUV) |
| Voltage Rating                    | 230VAC                                                                                                                          | 230VAC            | 220-250VAC              |
| Rated Current (Optional)          | 6A / 10A / 16A                                                                                                                  | 16A               | 16A                     |
| Leakage Action Current (Optional) | 3~6mA / 5~10mA<br>7.5~15mA / 15~30mA                                                                                            | 5~10mA<br>15~30mA | 5~10mA<br>15~30mA       |
| Waterproof Rate(Optional)         | IPX4 / IP65                                                                                                                     | IP65              | IP65                    |
| Additional Features (Optional)    | Opening and closing of PE line (E)<br>Live ground line display (L)                                                              | N/A...            | N/A...                  |

Dimensions

|        |            |
|--------|------------|
| Height | 195 ± 3mm  |
| Width  | 52 ± 1mm   |
| Depth  | 37 ± 0.5mm |

Model: P15 In-line Type  
P151610-F / P151630-F





P15 Plug Type



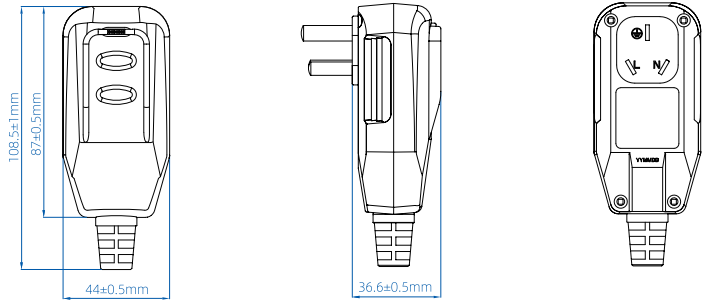
P18 series

|                                   |                                                                                                        |                                                                                                      |
|-----------------------------------|--------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| Features                          | This series product model is complete, additional optional function is much, applicable scope is wide. | This series of products are small in size, low standby power consumption and high protection grade.  |
| Type                              | Plug Type (CCC)                                                                                        | Plug Type (CCC)                                                                                      |
| Voltage Rating                    | 230VAC                                                                                                 | 220VAC                                                                                               |
| Rated Current (Optional)          | 6A / 10A / 16A                                                                                         | 6A / 10A                                                                                             |
| Leakage Action Current (Optional) | 3~6mA / 5~10mA<br>7.5~15mA / 15~30mA                                                                   | 3~6mA / 5~10mA<br>7.5~15mA / 15~30mA                                                                 |
| Waterproof Rate(Optional)         | IPX4 / IP65                                                                                            | IPX4 / IP66                                                                                          |
| Additional Features (Optional)    | Bolt overheating protection (B)<br>Opening and closing of PE line (E)<br>Live ground line display (L)  | We can customize the appearance according to customer's requirement. Standby Power Consumption ≤0.3W |

Dimensions

|        |              |
|--------|--------------|
| Height | 108.5 ± 1mm  |
| Width  | 44 ± 0.5mm   |
| Depth  | 36.6 ± 0.5mm |

Model: P15 Plug Type



|        |              |
|--------|--------------|
| Height | 75 ± 1mm     |
| Width  | 34 ± 0.5mm   |
| Depth  | 32.4 ± 0.5mm |

Model: P18 Series

