



**GEYA**  
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Product catalog

Recloser



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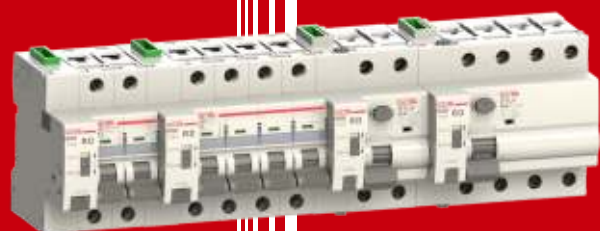
2019



# ELECTRICAL

## CHINA GEYA

We GEYA company are focus on the development of low-voltage electrical with main sprit of research, technology, quality, service, and honesty, we are sticking to the profession road of industrial, making GEYA as one of the most famous brand in the world.



Geya Electrical was established in 2005, and our head office is based in Wenzhou China. Our products are exported to more than 20 countries and regions such as South America, Western Europe, the Middle East, Africa, Australia, South Asia, East Asia, etc

Geya is ISO9001 Quality Assurance accredited and both quality and safety are of paramount importance to us. Our products have SEMKO VDE and CE certificates.

Our experience and expertise in modern, innovative product design, vast OEM experience, constant new product development, strong R&D capabilities, competitive prices, excellent international market knowledge, professional dynamic and customer-focused staff, flexible trading terms, quality and timely deliveries.



Introduction



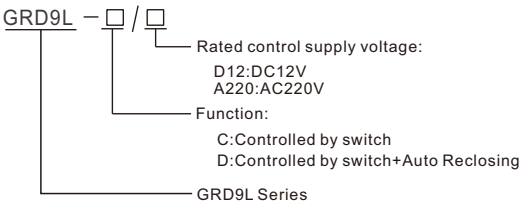
Applications

-Can be widely used in power grid terminal line, such as meter box, new energy circuit management, PV solar control box, smart electricity, smart home, new energy vehicle charging pile, and so on.

Feature

- It can be matched with MCB / RCCB to remotely close and open MCB/RCCB.
- MCB / RCCB controlled by switch, type D has auto reclosing function.
- With manual / automatic selector switch.
- With mechanical / electronic double locking function.
- The shaft transmission mode is more stable and reliable.
- Can match other accessories.
- Work status is indicated by LED.
- 1-MODULE.

Model and connotation



Note: The matching MCB / RCCB specification and model shall be indicated when ordering.  
Example 1: GRD9L-S + GYM9 2P C40  
Example 2: GRD9L-S + GYL9 2P 40A30mA

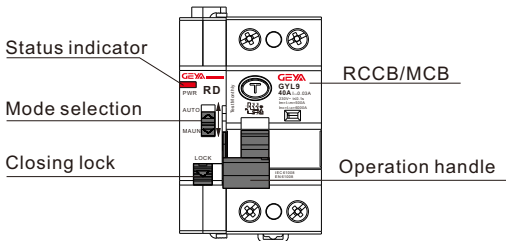
Technical parameters

|                              | GRD9L-C                                                        | GRD9L-D                                                            |
|------------------------------|----------------------------------------------------------------|--------------------------------------------------------------------|
| Control mode                 | Controlled by switch                                           | Controlled by switch+Auto Reclosing                                |
| Supply terminals             | A1-A2                                                          |                                                                    |
| Voltage range                | DC12V                                                          |                                                                    |
| Power input                  | DC max.1W(standby) max.20W(action)                             |                                                                    |
| Voltage range                | AC 220V(50-60Hz)                                               |                                                                    |
| Supply voltage tolerance     | -10%;+10%                                                      |                                                                    |
| Power input                  | AC max.1VA(standby) max.20VA(action)                           |                                                                    |
| Supply voltage tolerance     | -10%;+10%                                                      |                                                                    |
| Supply indication            | red LED                                                        |                                                                    |
| Action time                  | ≤1s                                                            |                                                                    |
| Auto reclosing times         | —                                                              | 3                                                                  |
| Auto reclosing time interval | —                                                              | 10s-60s-300s                                                       |
| Reset the closing times      | —                                                              | No trip or manual reset within 15 minutes after successful closing |
| Mechanical life              | 10000                                                          |                                                                    |
| Electrical life(AC1)         | 4000                                                           |                                                                    |
| Operating temperature        | -20℃ to +55℃ ( -4℉ to 131℉ )                                   |                                                                    |
| Storage temperature          | -35℃ to +75℃ ( -22℉ to 158℉ )                                  |                                                                    |
| Mounting/DIN rail            | Din rail EN/IEC 60715                                          |                                                                    |
| Protection degree            | IP20                                                           |                                                                    |
| Operating position           | any                                                            |                                                                    |
| Overvoltage cathegory        | III.                                                           |                                                                    |
| Pollution degree             | 2                                                              |                                                                    |
| Max.cable size(mm²)          | solid wire max.1×2. 5or 2×1. 5/ with sleeve max.1×2. 5(AWG 12) |                                                                    |
| Dimensions                   | 82×18×78mm                                                     |                                                                    |
| Weight                       | 80g                                                            |                                                                    |

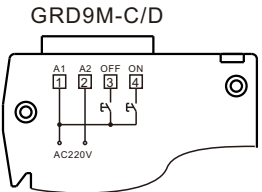
Combination with accessories

|                       |     |
|-----------------------|-----|
| Auxillary contact     | Yes |
| Alarm contact         | Yes |
| Shunt release         | Yes |
| Under voltage release | Yes |

Panel Diagram

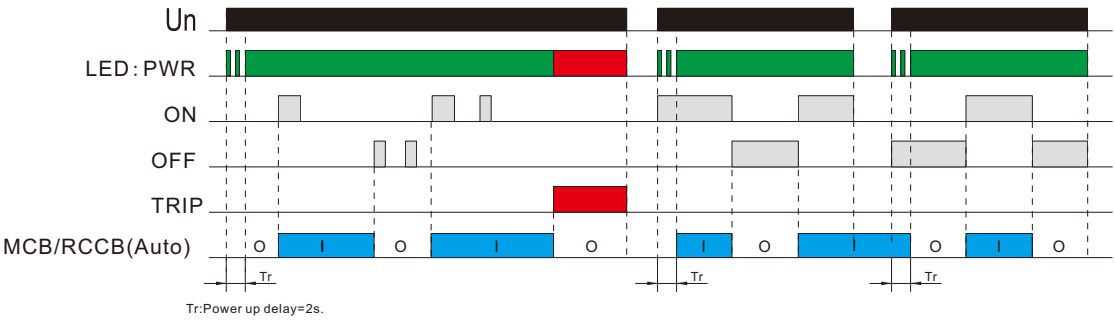


Wiring Diagram



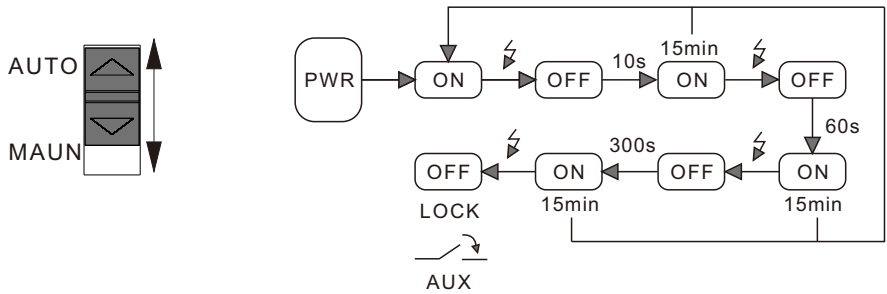
Functions Diagram

GRD9L-C/D

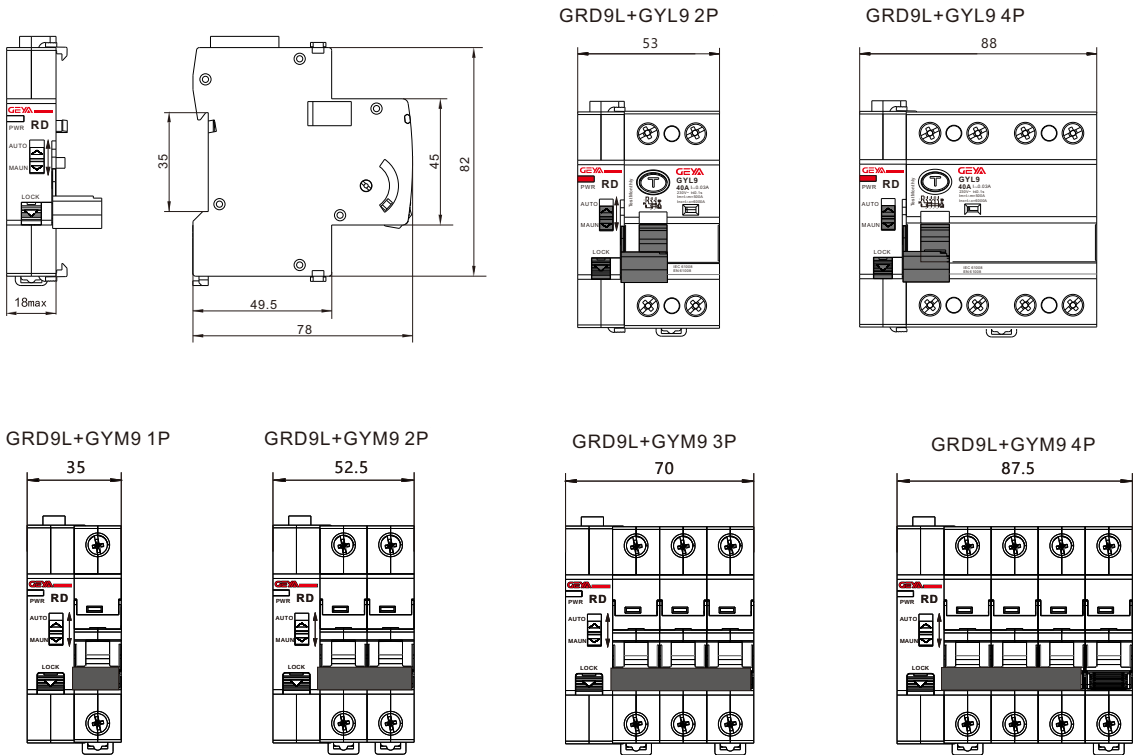


GRD9L-D has automatic closing function, The closing logic is shown in the figure below:

AUTO MODE



Dimensions(mm)







## Applications

-Can be widely used in power grid terminal line, such as meter box, new energy circuit management, PV solar control box, smart electricity, smart home, new energy vehicle charging pile, and so on.

## Feature

- It can be matched with circuit breaker / leakage protection switch and automatically reclose when MCB / RCCB trips unexpectedly, No need for manual closing, reduce the cost of manual maintenance, and eliminate faults in time to improve efficiency.
- built in 3 reclosing times, continuous closing failure within 15 minutes can send alarm through auxiliary contact.
- With manual / automatic selector switch.
- With mechanical / electronic double locking function.
- The shaft transmission mode is more stable and reliable.
- Can match other accessories.
- Work status is indicated by LED.
- 1-MODULE

## Model and connotation

GRD9L - R / 

Rated control supply voltage:  
D12:DC12V  
A220:AC220V

Auto Reclosing+AUX  
GRD9L Series

Note: The matching MCB / RCCB specification and model shall be indicated when ordering.  
Example 1: GRD9L-R + GYM9 2P C40  
Example 2: GRD9L-R + GYL9 2P 40A 30M

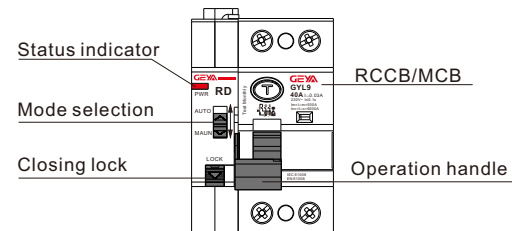
## Technical parameters

| Technical parameters             | GRD9L-R                                                            |
|----------------------------------|--------------------------------------------------------------------|
| Control mode                     | Auto Reclosing                                                     |
| Supply terminals                 | A1-A2                                                              |
| Voltage range                    | DC12V                                                              |
| Power input                      | DC max.1W(standby) max.20W(action)                                 |
| Voltage range                    | AC 220V(50-60Hz)                                                   |
| Supply voltage tolerance         | -10%;+10%                                                          |
| Power input                      | AC max.1VA(standby) max.20VA(action)                               |
| Supply voltage tolerance         | -10%;+10%                                                          |
| Supply indication                | red LED                                                            |
| Action time                      | ≤1s                                                                |
| Auto reclosing times             | 3                                                                  |
| Auto reclosing interval time     | 10s-60s-300s                                                       |
| Reset the closing times          | No trip or manual reset within 15 minutes after successful closing |
| Mechanical life                  | 10000                                                              |
| Electrical life(AC1)             | 4000                                                               |
| Operating temperature            | -20℃ to +55℃ (-4℉ to 131℉)                                         |
| Storage temperature              | -35℃ to +75℃ (-22℉ to 158℉)                                        |
| Mounting/DIN rail                | Din rail EN/IEC 60715                                              |
| Protection degree                | IP20                                                               |
| Operating position               | any                                                                |
| Overvoltage cathegory            | III.                                                               |
| Pollution degree                 | 2                                                                  |
| Max.cable size(mm <sup>2</sup> ) | solid wire max.1×2. 5or 2×1. 5/with sleeve max.1×2. 5(AWG 12)      |
| Dimensions                       | 82×18×78mm                                                         |
| Weight                           | 80g                                                                |

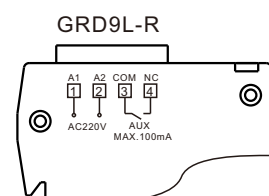
## Combination with accessories

|                       |     |
|-----------------------|-----|
| Auxiliary contact     | Yes |
| Alarm contact         | Yes |
| Shunt release         | Yes |
| Under voltage release | Yes |

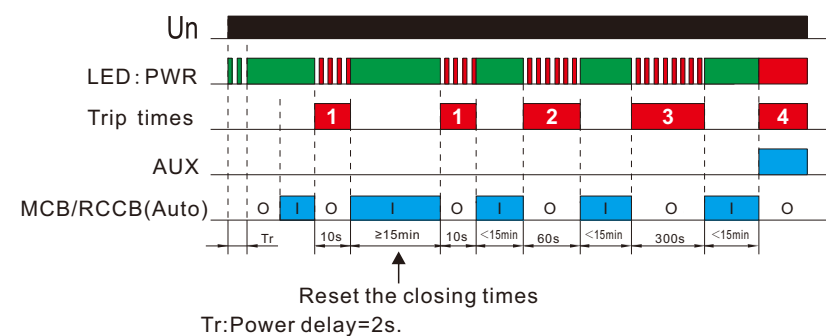
## Panel Diagram



## Wiring Diagram

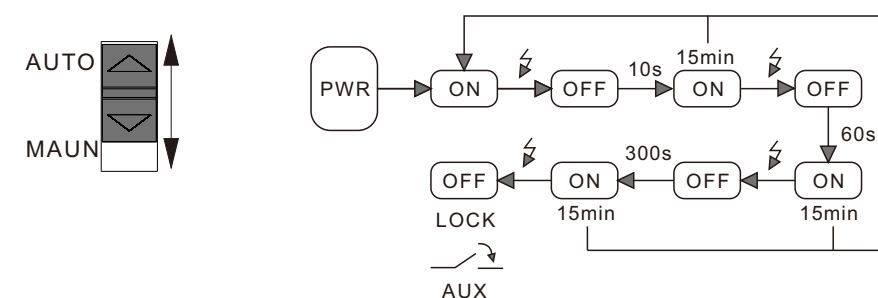


## Functions Diagram



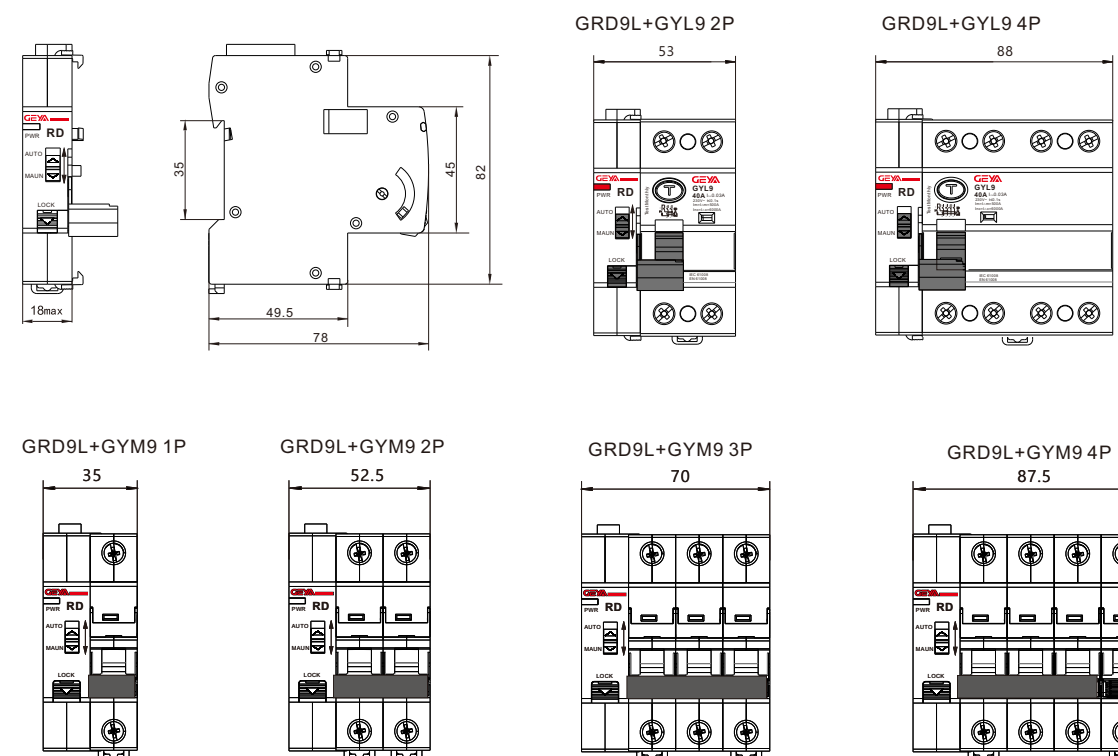
GRD9L-D has automatic closing function, The closing logic is shown in the figure below:

AUTO MODE



Note: if the closing times and delay time need to be customized, please contact our company.

**Dimensions(mm)**





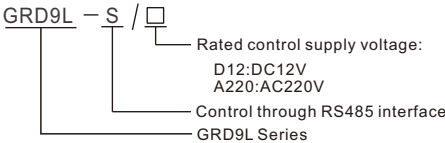
Applications

-Can be widely used in power grid terminal line, such as meter box, new energy circuit management, PV solar control box, smart electricity, smart home, new energy vehicle charging pile, and so on.

Feature

- Can be matched with MCB/RCCB,remote switching and splitting of MCB/RCCB.
- Remote monitoring and control of MCB/RCCB through RS485 interface.
- With manual / automatic selector switch.
- With mechanical / electronic double locking function.
- The shaft transmission mode is more stable and reliable.
- Can match other accessories.
- Work status is indicated by LED.
- 1-MODULE.

Model and connotation



Note: The matching MCB / RCCB specification and model shall be indicated when ordering.  
Example 1: GRD9L-S + GYM9 2P C40  
Example 2: GRD9L-S + GYL9 2P 40A 30M

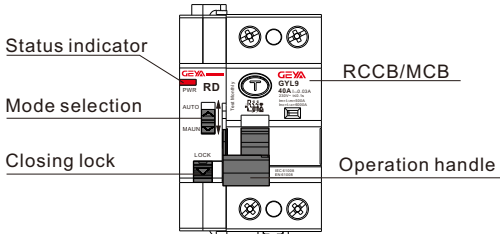
Technical parameters

|                          | GRD9L-S                                                      |
|--------------------------|--------------------------------------------------------------|
| Control mode             | RS485                                                        |
| Supply terminals         | A1-A2                                                        |
| Voltage range            | DC12V                                                        |
| Power input              | DC max.1W(standby) max.20W(action)                           |
| Voltage range            | AC 220V(50-60Hz)                                             |
| Supply voltage tolerance | -10%;+10%                                                    |
| Power input              | AC max.1VA(standby) max.20VA(action)                         |
| Supply voltage tolerance | -10%;+10%                                                    |
| Supply indication        | red LED                                                      |
| Action time              | ≤1s                                                          |
| Communication protocol   | MODBUS-RTU                                                   |
| Mechanical life          | 10000                                                        |
| Electrical life(AC1)     | 4000                                                         |
| Operating temperature    | -20℃ to +55℃ (-4℉ to 131℉)                                   |
| Storage temperature      | -35℃ to +75℃ (-22℉ to 158℉)                                  |
| Mounting/DIN rail        | Din rail EN/IEC 60715                                        |
| Protection degree        | IP20                                                         |
| Operating position       | any                                                          |
| Overvoltage cathegory    | III.                                                         |
| Pollution degree         | 2                                                            |
| Max.cable size(mm²)      | solid wire max.1×2. 5or2×1. 5/with sleeve max.1×2. 5(AWG 12) |
| Dimensions               | 82×18×78mm                                                   |
| Weight                   | 80g                                                          |

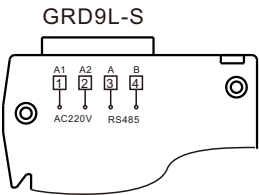
Combination with accessories

|                       |     |
|-----------------------|-----|
| Auxillary contact     | Yes |
| Alarm contact         | Yes |
| Shunt release         | Yes |
| Under voltage release | Yes |

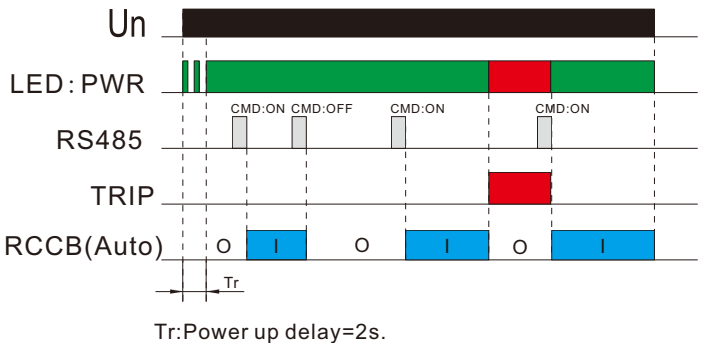
Panel Diagram



Wiring Diagram



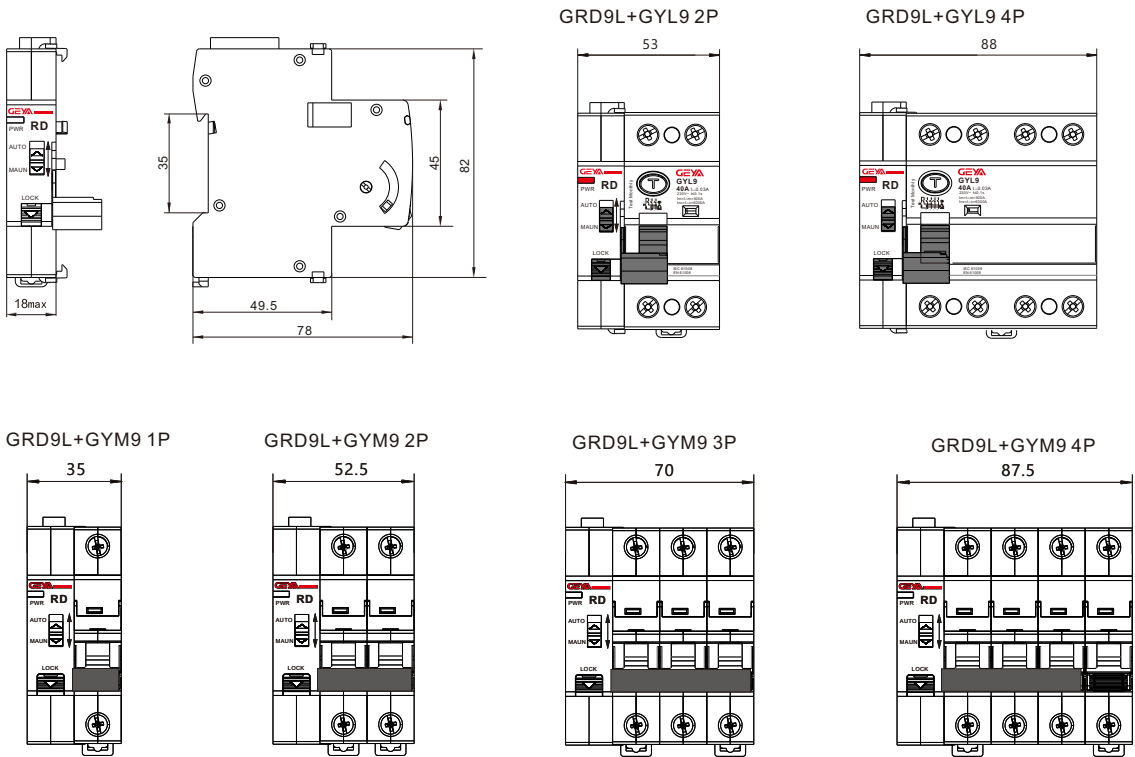
Functions Diagram



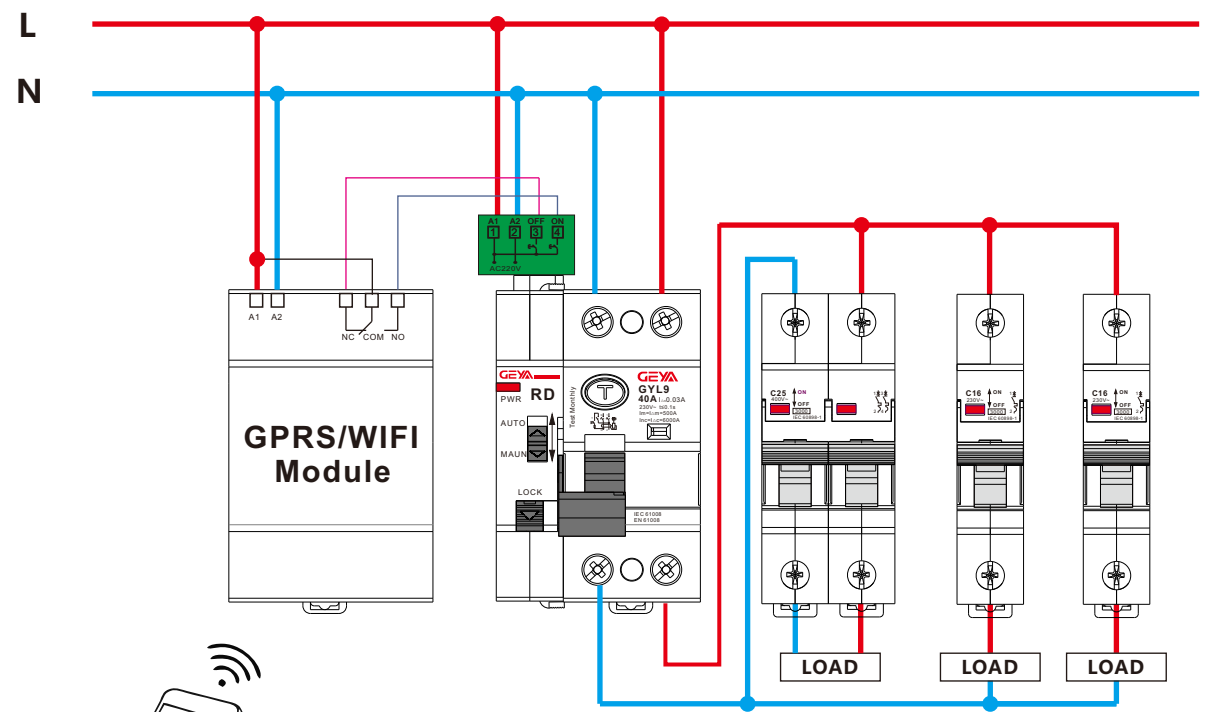
Tr: Power up delay=2s.

Note: If you need a communication protocol, please contact us.

Dimensions(mm)

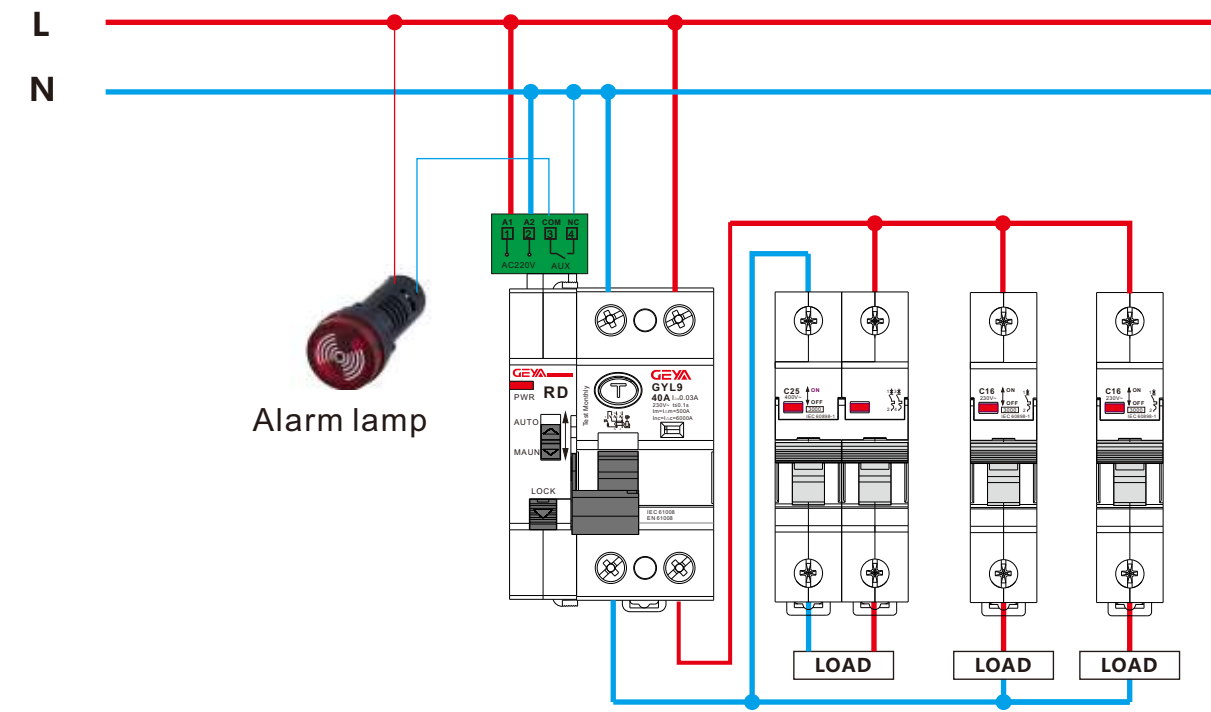


GRD9L-C

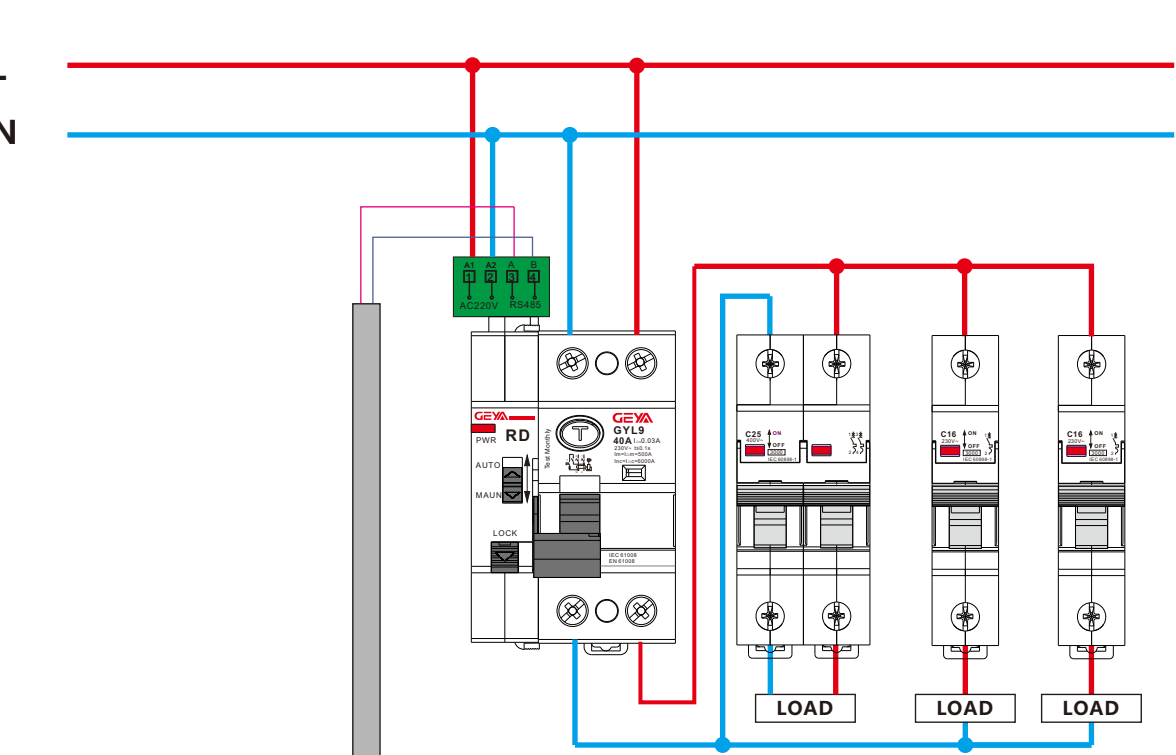


MCB/RCCB can be controlled by remote operation of mobile phone. Of course, MCB/RCCB can also be turned on or off by time control switch.

GRD9L-R



GRD9L-S



Programmable Logic Controller

