



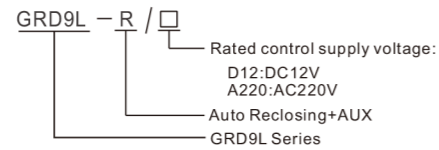
**Applications**

-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**



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

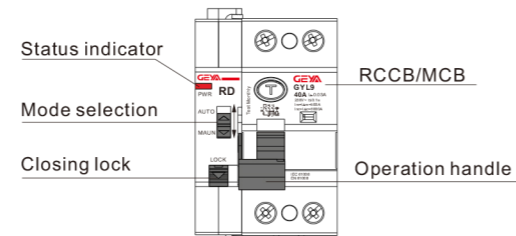
**Technical parameters**

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°C to +55°C (-4°F to 131°F)
Storage temperature	-35°C to +75°C (-22°F to 158°F)
Mounting/DIN rail	Din rail EN/IEC 60715
Protection degree	IP20
Operating position	any
Overvoltage category	III.
Pollution degree	2
Max.cable size(mm <sup>2</sup> )	solid wire max.1×2.5 or 2×1.5/with sleeve max.1×2.5(AWG 12)
Dimensions	82×18×78mm
Weight	80g

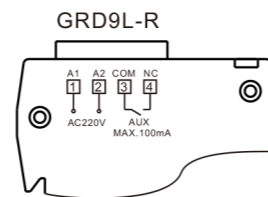
**Combination with accessories**

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

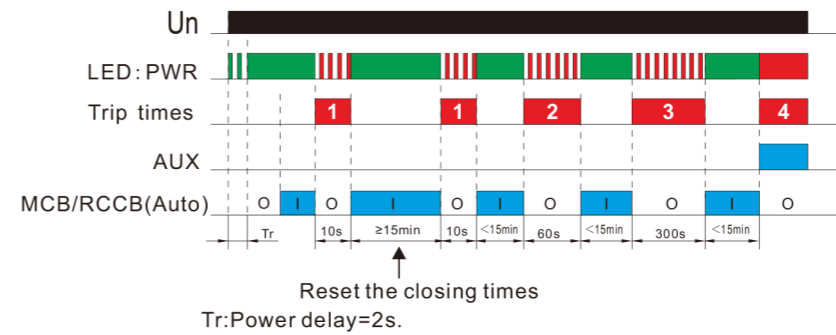
**Panel Diagram**



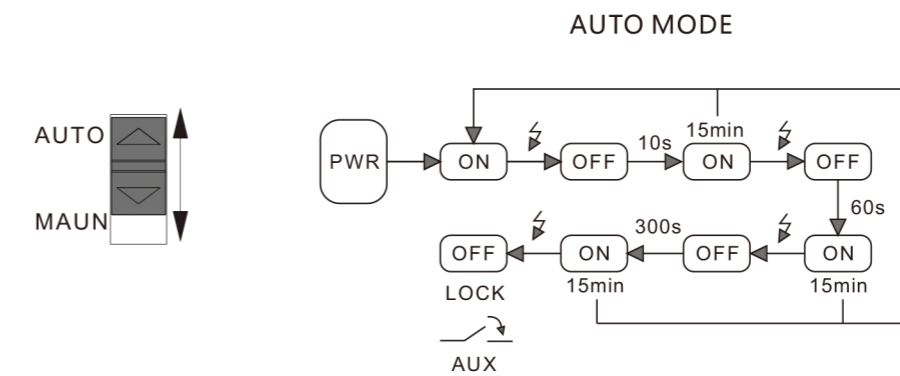
**Wiring Diagram**



**Functions Diagram**



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



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

**Dimensions(mm)**

