

New!



RV3142RA



INT. MT 1/P+N/2 POLOS
DIFERENCIALES 2/4 POLOS



RV3142RAL



INT. MAGNETOTÉRMICOS
3/4 POLOS

Aplicación

RV3142 es un reconector automático, que puede examinar y recerrar el circuito por sí mismo.

Con el reconector en el modo AUTO, y el circuito abierto, el rearme se producirá después del tiempo programado en el primer comando de programación. Este periodo de tiempo se mantendrá durante los sucesivos rearmes automáticos, hasta los 9 que permite el dispositivo procederá a bloquearse, indicándose mediante una señal de alarma a través de los contactos de salida.

Para quitar esta situación de bloqueo, debe supervisarse in situ el problema del circuito eléctrico por personal cualificado, poniendo el reconector en modo MANUAL antes de realizar la operación. Una vez solventado el problema, se debe presionar el botón RESET para que el contador digital de disparos vuelva a 0 y se cambia el modo de operación de MANUAL a AUTO. Subiendo la maneta hasta la posición inicial, el LED se pone verde; indicando que la situación de bloqueo ha pasado y vuelve a tener un funcionamiento normal.

Datos técnicos

Dimensiones: 2 módulos (36 mm)

Tensión nominal: 230 VAC

Frecuencia nominal: 50/60Hz

Vida útil mecánica: > 8.000 rearmes

Tiempo de disparo: Disparo <0.2s Rearme >0.3s

Nº rearmes: Ajustable, hasta 9 rearmes.

Tiempo entre rearmes: Ajustable, 0-10-20-30-45-60-90-120-150-180 segundos

Grado de Protección: IP20

Temperatura amb. de operación: -25°C / +55°C

Humedad relativa amb: <95%

RV3142RA empleo en diferenciales monofásicos y trifásicos

RV3142RA empleo en automáticos IGA monofásicos (10KA)

RV3142RAL empleo en automáticos e IGA trifásicos (10KA)

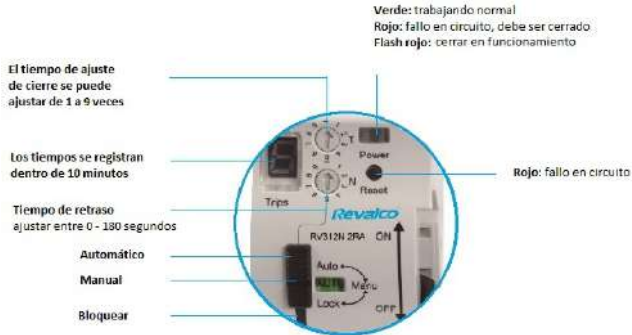
Modo de operación

AUTO: Función de rearme automático en la condición de trabajo, así como los contactos abiertos y cerrados funcionan correctamente.

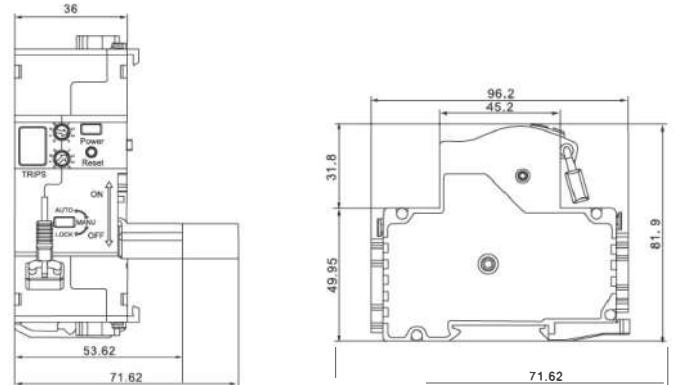
MANU (manual): Función de rearme automático deshabilitada, contactos abiertos y cerrados deshabilitados.

LOCK (bloqueo): El dispositivo no se podrá rearmar ya que tendrá un mecanismo de seguridad previamente instalado manualmente.

Intrucción del panel delantero



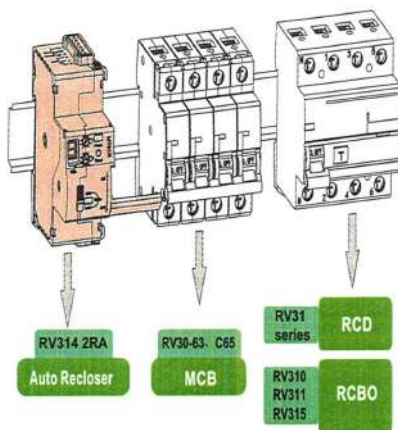
Dimensión



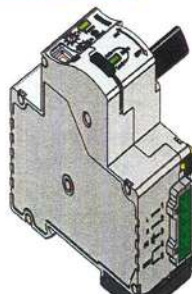
Conexión de terminal



Instalación

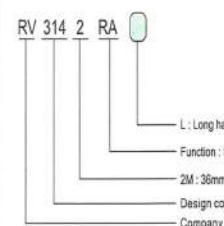


RV314 2RA Auto Recloser



1. Product Instruction

RV314 2RA is an automatic recloser, which can inspect and reclose by itself. It may switch on/off the breaker automatically: trips and time delay can be set up and adjusted as per request. The device RV314 2RA may reclose itself if no faulty, and will output signals to control station if any faulty. Therefore, it may realize remote monitor or reclose the circuit in unattended or remote place

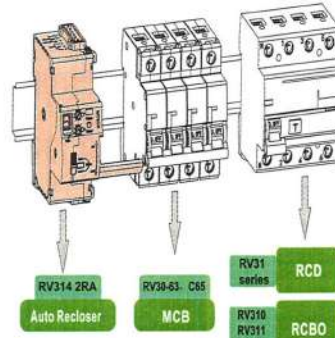


L: Long handle
Function: RA auto reclose protector
2M: 36mm
Design code
Company code

2. Warning

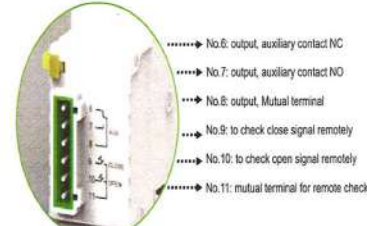
- This device should be installed by professional electrician, and not be disassembled
- It is forbidden to operate this device with wet hands, otherwise, it might cause electric shock.
- This device is designed for some special use, and it will continue to reclose automatically the circuit breaker for set-up times, even when the circuit is tripped due to the faulty, such as overload or short circuit. All users must be aware of this important safety-concerned usage before installation, and is responsible by themselves fully.
- This device must be switched to "Manu" while the load terminal has routine maintenance.

3. Installation




RV314 2RA Auto Recloser, RV30-63 C65 MCB, RV31 series RCD, RV310 RV311 RV315 RCBO

4. Wiring



No.6: output, auxiliary contact NC
No.7: output, auxiliary contact NO
No.8: output, Mutual terminal
No.9: to check close signal remotely
No.10: to check open signal remotely
No.11: mutual terminal for remote check

Note: Terminal 10 & 11 connected, device open, then, disconnect terminal 10 & 11
Terminal 9 & 11 connected, device close, then, disconnect terminal 9 & 11



No.1: Power 230V, line
No.2: Power 230V, neutral
No.3: Grounding protection of power supply
No.4: Remote warning, auxiliary contact NO
No.5: Remote warning, auxiliary contact NO

5. Indication Instruction

green: normal work
red: circuit faulty, locked
red flash: reclosing ...

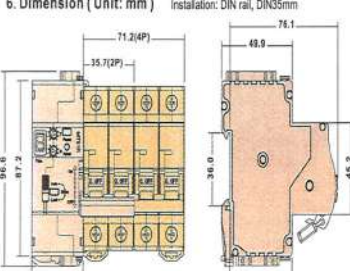
TIME DELAY ADJUST 0 ~ 180 seconds
TRIPS RECORD 0~9 times
TRIPS ADJUST reclose time can be adjusted from 0 ~ 9 times
AUTO
MANU
LOCK

Reset: Frequency cleared

Mechanical lock, hole diameter is 4.5mm

6. Dimension (Unit: mm)

Installation: DIN rail, DIN35mm



7. Technical Data

Power wiring	1P+N single phase
Rated voltage	~230V
Rated frequency	50/60Hz
Standby Power	0.5W
Mechanical life	≥8000times
Electrical life	≥5000
Trip time	Trips0.2s Recloses0.3s (time delay excluded)
Reclose times	Adjustable 0,1,2,3,4,5,6,7,8,9 times
Time delay	adjustable 0, 10, 20, 30, 45, 60, 90, 120, 150, 180 seconds
Protection Grade	Ip20
Operation Temperature	-25 ~+55
Storage Temperature	-40 ~+70
Relative Humidity	≤95%

The principle of trip and reclose
Under mode AUTO, and the circuit be open, the device will run "AUTO" mode to reclose the circuit immediately; The device will reclose, due to the setup delay time, if the circuit is faulty, if it still fails to reclose the circuit after setup trips, the device will run in "lock" mode, output warning signal, and will not reclose again to wait for manual operation.

Release "LOCK"
Before checking the faulty reason, the electricians need to switch mode "Auto" to "Manu". After faulty solved, press "Reset" button till the counter LCD display clear to 0. Then, switch mode "Manu" to "Auto", switch handle to close status, the green light is on, and "lock" released.

Auto/Manu/Lock Operation Mode
Auto: Auto reclose function in work condition, as well as both open & close contacts work well.
Manu: Auto reclose function doesn't work, both open & close contacts doesn't work as well.
Lock: the device won't reclose after locked with hole diameter is 4.5mm, even manually.

Indicator
green: normal work
red: warning
red flash: reclosing ...

8. Final test after installation

- The mode should be on mode "Manu" and open before installation
- After all wiring connected, switch the mode to "AUTO", manually switch on once, and green light is on;
- Manually open, the device will reclose automatically once;
- As for earth leakage circuit breaker, press "test monthly" to check the device;
- The device will run normally after test finished;

9. General Questions

1	Question	No auto reclosing
	Solution	check the mode should be on "Auto". Change mode Auto-Manu-Auto to reset
2	Question	Send signal of open or close, but no action
	Solution	Make sure the switch is on "Auto" mode, and check the wiring connection
3	Question	Reclosing failed
	Solution	Please check the circuit whether it has faulty of earth leakage, shor-circuit, or overload, etc.

10. Product Guarantee

We assure our device RV314 2RA auto reclose over/under voltage protector of 12 months quality guarantee. We shall replace or repair this device while due to quality problem itself. However, this quality guarantee won't cover such problem due to improper use, such as fall-down, wrong wiring, dismantled, etc.