

## DC Voltage Relay DVRD

### Features

- Compact modular size
- DC circuit monitoring of over- and undervoltage
- Adjustable over- and undervoltage threshold
- Adjustable trip delay time
- Powered by the measuring circuit
- 2C/O contacts
- 2 LEDs for status indication



### Protective Functions

- DC Overvoltage
- DC Undervoltage

### Applications

- DC cabinet
- Battery
- Electric control system

-1-

### Order information

DVRD — 24

1            2

#### 1. Basic Model

**2. Rated Voltage**  
DC12V,DC24V,DC36V,DC48V

voltage setting range

Rated voltage	Undervoltage	Overvoltage
DC12V	10-14V	13-17V
DC24V	20-28V	26-34V
DC36V	30-42V	39-51V
DC48V	40-56V	52-68V

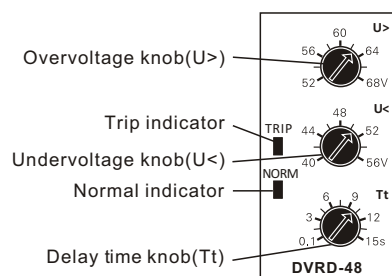
-2-

### Technical data

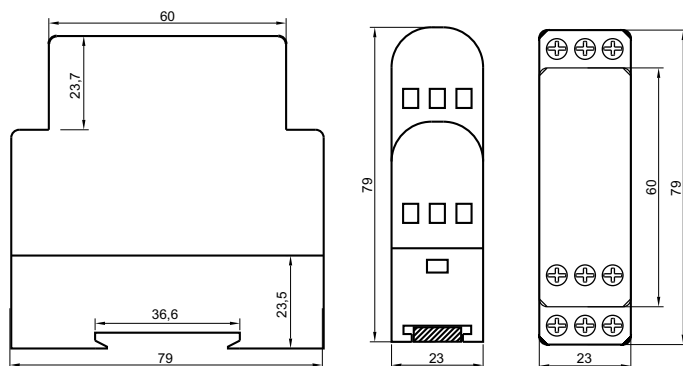
Model	DVRD		
Input circuit = Measuring circuit	DC supply		
Rated voltage	DC12V,DC24V,DC36V,DC48V		
Monitoring functions	overvoltage, undervoltage		
Voltage setting range	Rated voltage	Undervoltage	Overvoltage
	DC12V	10-14V	13-17V
	DC24V	20-28V	26-34V
	DC36V	30-42V	39-51V
	DC48V	40-56V	52-68V
Tripping delay time	0.1-15s adjustable		
Voltage hysteresis	3-5% fixed		
Reset delay time	100ms		
Indicators	normal, trip		
Output contacts	2 C/O		
Contact capacity	6A, 250VAC/30VDC (resistive load)		
Degree of protection	IP 20		
Working conditions	-25°C~65°C, ≤85%RH, non-condensing		
Mechanical durability	1000000 cycles		
Dielectric strength	>2kVAC 1min		
Weight	130g		
Dimensions (H x W x D)	79X23X79mm		
Mounting	DIN rail		

-3-

### Front Panel View

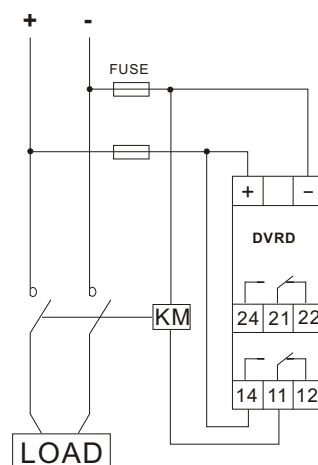


### Dimensions (mm)



-4-

### Wiring Diagram



Relay contact position shown in 'Poweroff' condition

**GENERAL SAFETY**  
POTENTIALLY HAZARDOUS VOLTAGES ARE PRESENT AT THE  
TERMINALS OF THE RELAYS.  
ALL ELECTRICAL POWER SHOULD BE REMOVED WHEN  
CONNECTING OR DISCONNECTING WIRING.  
THIS DEVICE SHOULD BE INSTALLED AND SERVICED BY  
QUALIFIED PERSONNEL.

-5-

Note: specifications are subject to change without notice.



**Ginri Power Automation Co., Ltd.**

No.337, Kaichuang Road, Baitawang Industrial Distrit,  
Beibaixiang Town, Yueqing City, Zhejiang, China  
Tel: +86-577-57198185 Fax: +86-577-62982268  
E-mail: info@ginri.com http://www.ginri.com