

INSTRUCTION MANUAL





Instruction Manual DV AVP-63

Dual display over and under voltage protector

1. Usage

The multifunctional self-resetting dual display protector integrates over-voltage protection, under-voltage protection, over-current protection and integrated intelligent protector. When there is over-voltage, under-voltage and over-current solid barriers in the line, this product can instantly cut off the circuit, avoiding unnecessary damage to electrical equipment. When the circuit returns to normal, the protector can automatically restore the circuit to make the electrical equipment work normally. The overvoltage value, undervoltage value, overcurrent value, circuit recovery time value and overcurrent protection reset time value of this product can be set by themselves. Adjust the corresponding parameters according to local actual conditions and electrical usage conditions.

2. Product features

2.1 The product fully conforms to the single-phase self-reclosing recloser produced by the enterprise standard.

2.2 When the line has overvoltage, undervoltage and overcurrent faults, the product will automatically cut off the line. When the line voltage or current returns to normal, the product will automatically resume normal power supply after the delay time set by the user.

No, manual operation is required.

2.3 When the line appears instantaneous or transient overvoltage, the protector does not malfunction.

2.4 The line voltage is unstable or the power is suddenly cut off due to some factors, when the power recovers, the product will not connect to the power immediately. This delay time is set by the user according to the local situation.

2.5 The line voltage should not be higher than 330vac to prevent the product itself from being damaged due to excessive voltage. Please contact the manufacturer if a high power supply is required in a specific situation.

3. Normal usage conditions

3.1 The ambient temperature does not exceed +50 degrees and not less than -10 degrees.

3.2 The altitude of the installation site does not exceed 2000 meters

3.3 Humidity: not more than 60%

3.4 Pollution degree 3



4. Installation conditions

4.1 The protector can be installed vertically or horizontally in the cabinet, and special orders are required for special occasions.

4.2 It should be installed in a non-explosive medium, and there is no sufficient fermented bean curd metal and insulating gas and conductive dust in the medium.

4.3 It should be installed in a place where there is no rain or snow.

5. Main technical parameters

5.1 Rated voltage: 220VAC 50Hz.

5.2 Rated current: 1A-63A adjustable (default 63A)

5.3 Overvoltage action cut-off value: 240V-300VAC can be set (default 270VAC)

5.4 Overvoltage action cut-off value: 140V-200VAC can be set (default 170VAC)

5.5 Overcurrent action cut-off value: 63A: 1A-63A can be set (default 63A)

5.6 Transmission delay time after power-on and power-off: 5-300S adjustable (default 5S)

5.7 Boot delay time: 1-300S adjustable (default 5S)

5.8 Reset delay time after overcurrent protection: 30-300s adjustable (default 30s)

5.9 Product overcurrent delay time 6s (overcurrent time greater than this time will be confirmed as overcurrent and provide protection)

5.10 Own power consumption: less than or equal to 2W

5.11 Electrical machinery life: greater than or equal to 100,000 times

5.12 Dimensions: 51*35*60mm

6. Example settings

Set point target over voltage [P1] = 260 Vac

Set point target under voltage [P2] = 200 Vac

Set point target over Current [P3] = 2 Ampere

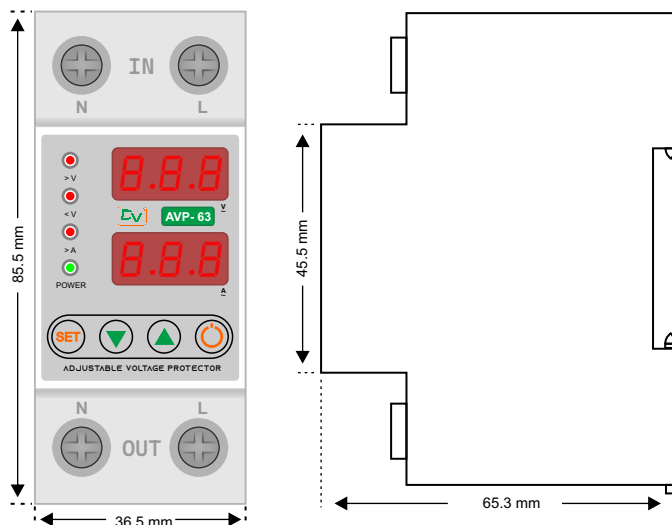
Set point target Time ON delay [P4] = 60 second

Set point target delay Reload Protect voltage [P5] = 15 second

Set point target delay Reload protect current [P6] = 30 second

Note:

From the settings above, if the voltage protection is active, it will reload or restart when the voltage difference is 15V from the setpoint value. If the current protection occurs, it will reload within 30 seconds.



Note: If the keyboard is longer than 60 seconds at any position before saving, the operating system will abandon all settings and restart.

7. Use

After the protector is installed, the user can wire it, and select the wire section that meets the standard according to the setting current of the protector. Note that the input and output wires of the protector cannot be connected incorrectly to avoid damage to the product or power failure.

8. Precautions

8. 1 When performing various current operation or tests, users should follow the relevant regulations and pay attention to the following matters to ensure the correct and safe use of this product.

8.2 According to the product standard, the input and output terminals are connected correctly (the load current should be less than the protection current value of the product)

8.3 The neutral wire N cannot be connected wrongly and must be connected reliably, otherwise the protector cannot work normally.

8. 4 Before turning on the power, carefully check whether the wiring is correct, whether the load size matches the current protection value of the product, and whether the wiring screws are tightened, otherwise the product will be damaged.

8.5 After the product is connected to the power supply, please do not touch the live parts to avoid electric shock.

8.6 This product needs to cooperate with micro-break to play a short-circuit protection function, otherwise the product will not be able to provide protection when a short-circuit occurs in the load of the product.

8.7 Since the product has an automatic reset function, after the product is protected and activated, the load (electrical appliances) should be removed immediately, and the circuit should be checked, otherwise

the product will frequently switch on the load and disconnect the load, which will eventually damage the product or electrical appliances due to frequent overloads for a long time.

8.8 The product should be protected from moisture and dust when it is not used for a long time. The product should be tested as described above before using, and it can be used while it is normal.

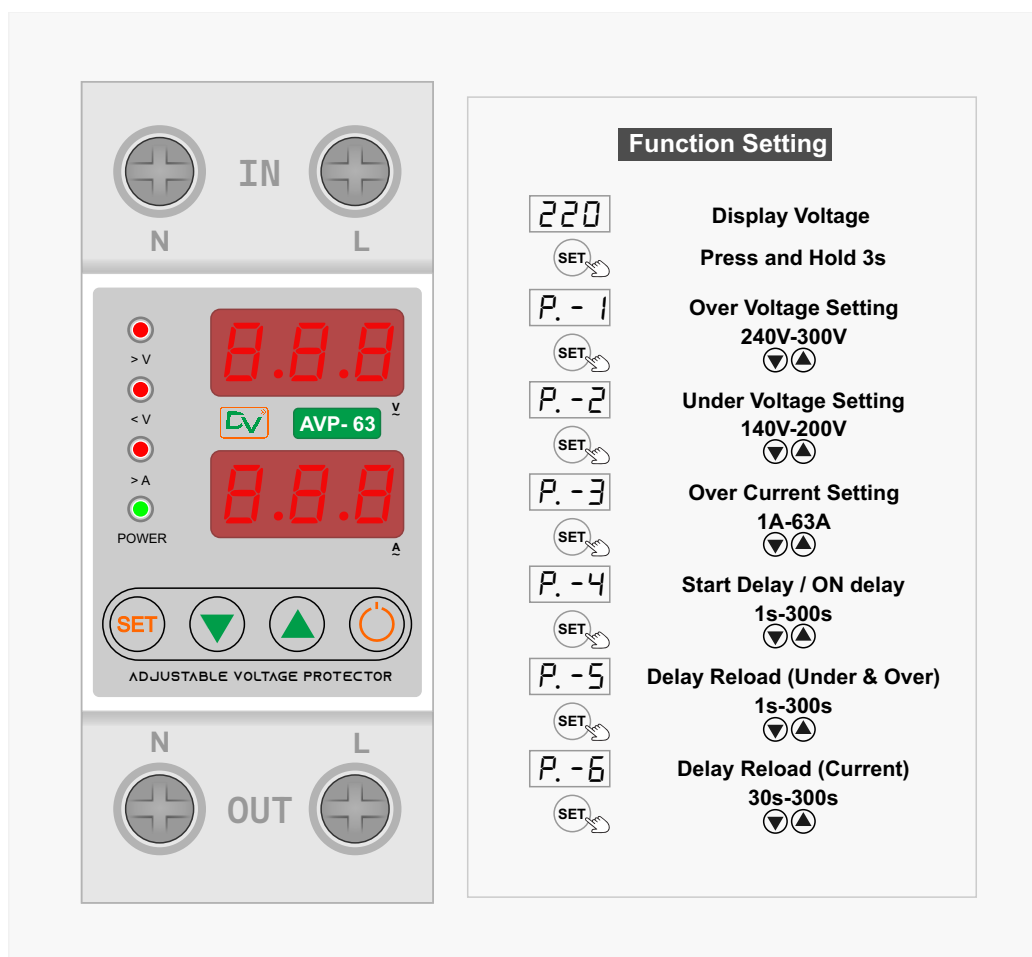
8.9 This product has no isolation function. Please disconnect the front-level circuit breaker switch when repairing the circuit.

8. 10 The zero line (N line) of this product is directly connected and has no disconnection function.

8. 11 This product has no over-current short-circuit breaking capacity. Please install a small circuit breaker such as DZ-47 or C65 at the front of the line as over-current protection.

8.12 If the actual setting is different from this manual due to product upgrade, please contact our company. Product upgrade will not be notified separately.

9. Product Setting Value



The image shows the front panel of an adjustable voltage protector and a corresponding function setting table. The panel features two input terminals (IN) labeled N and L, two output terminals (OUT) labeled N and L, a digital display showing 0.0.0, a green LED indicator for power, and several control buttons including SET, up/down arrows, and a power button. The function setting table lists six parameters (P.-1 to P.-6) with their respective settings and adjustment methods.

| Function Setting | |
|------------------|--|
| 220 | Display Voltage Press and Hold 3s |
| P. - 1 | Over Voltage Setting 240V-300V |
| P. - 2 | Under Voltage Setting 140V-200V |
| P. - 3 | Over Current Setting 1A-63A |
| P. - 4 | Start Delay / ON delay 1s-300s |
| P. - 5 | Delay Reload (Under & Over) 1s-300s |
| P. - 6 | Delay Reload (Current) 30s-300s |