Product Description

- RS 485 Bus Control
- Modbus RTU Communication
- Stablized Voltage Output
- Load Current:5A
- Dielectric Strength≥4000Vrms
- LED Indication
- Output Loop Anomaly Detection

Ordering Information

DRD	4	S	220	P	5	S4
DRD Series	Channel 4:4	Function S: Stablized Output	Load Voltage 220:220VAC	Output Mode P: Power Proportional Output	Rated Current 5: 5Amp	Control Mode S4:RS 485

Technical Specification

Input Circuit	
Auxiliary Power Supply Voltage Range	19.6 ~ 28.8VDC
Max.Auxiliary Power Supply Current	60mA
Input Control	RS 485（2 Connections）

Output Circuit	
Voltage Range of Load Power Supply (Three-phase Four-wire System or Single-phase 220 VAC)	150-280VAC
Output Load Voltage Range	0-220VAC
Load Current	5A
Maximum Surge Current [@10ms]	50Apk
Maximum I^2t Value[@10ms]	12.5A²S
Maximum Transient Overvoltage	600Vpk
Maximum Off-State Leakage Current [@ Rated Voltage]	5mA
Maximum On-State Voltage Drop [@ Rated Current]	1.6Vrms
Minimum Off-State dv/dt[@ Maximum Rated Voltage]	200V/μs

General Information

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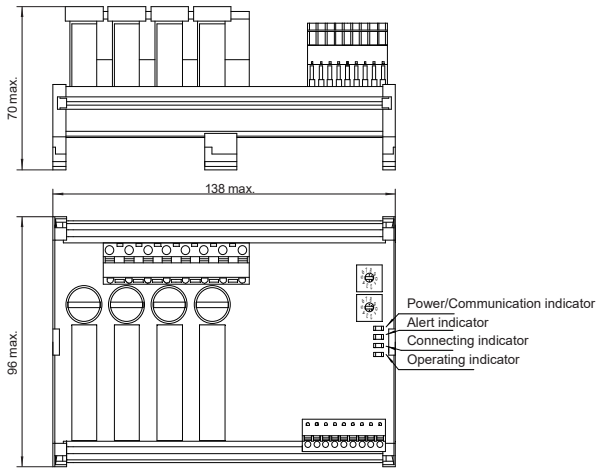
Control Register Address	First Channel	20
	Second Channel	21
	Third Channel	22
	Fourth Channel	23
Station Address Range		01~99

Max. Station Point	99
Data Bit Rate	9600 bps
Communication Agreement	Modbus RTU
Dielectric Strength	≥4000Vrms
Ambient Operating Temperature Range	-30℃ ~ +80℃
Ambient Storage Temperature Range	-30℃ ~ +100℃
Weight [Typical]	336g

Installation

Unit: mm



Power supply/Communication indicator: LED lights up when there is a power supply;

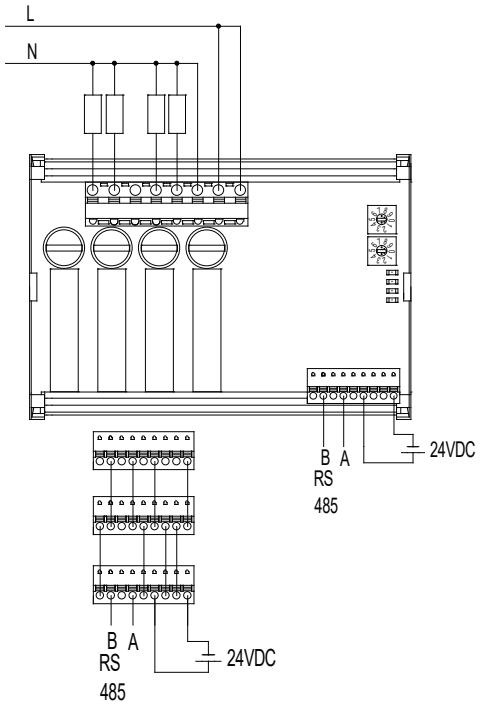
LED becomes brighter when the module is communicating;

Alert indicator: LED lights up when there is a failure;

Connecting indicator: LED lights up when the control resister value is not zero;

Operating indicator: LED flashes every 1.5s when the module is operating.

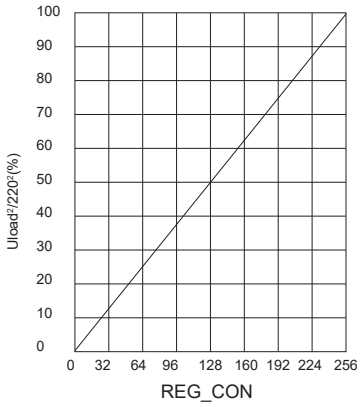
Wiring Diagram



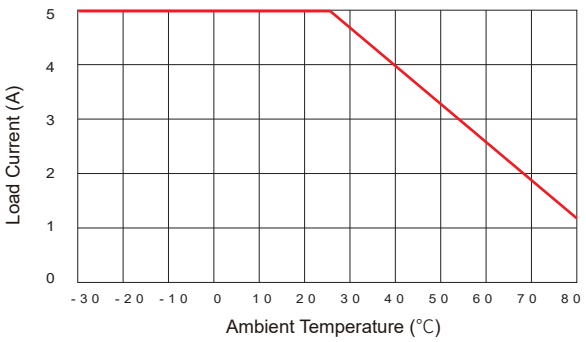
Connection mode for 2 or more control terminals

Note: Since the maximum current capacity of each output terminal is about 8A, the two "L" output terminals must be connected to the L terminal of the power supply separately.

Output/Proportional Control Features



Thermal Derating Curve



Important Notice

In order to reduce the external interference,we recommend to use twisted pair or shielding line as RS485 control line.

Warnings

1. The product's side panels may be hot, allow the product to cool before touching.
2. Disconnect all power before installing or working with this equipment.
3. Verify all connections and replace all covers before turning on power.

