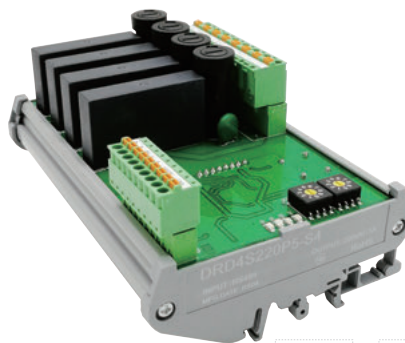


Product Description

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



Ordering Information

DRD	4	S	220	P	5	S4
DRD Series	Channel 4:4	Function S: Stabilized 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]	50A _{pk}
Maximum I ² t Value[@10ms]	12.5A ² S
Maximum Transient Overvoltage	600V _{pk}
Maximum Off-State Leakage Current [@ Rated Voltage]	5mA
Maximum On-State Voltage Drop [@ Rated Current]	1.6V _{rms}
Minimum Off-State dv/dt [@ Maximum Rated Voltage]	200V/ μ s

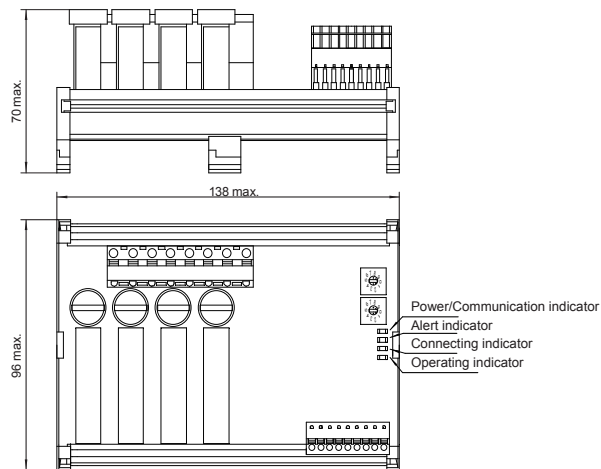
General Information

General Information		
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	\geq 4000Vrms
Ambient Operating Temperature Range	-30 C ~ +80 C
Ambient Storage Temperature Range	-30 C ~ +100 C
Weight [Typical]	336g

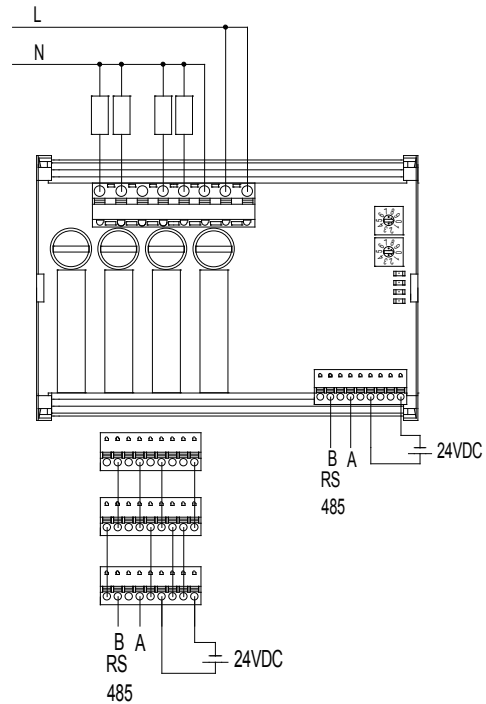
Installation

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 resistor value is not zero;
Operating indicator: LED flashes every 1.5s when the module is operating.

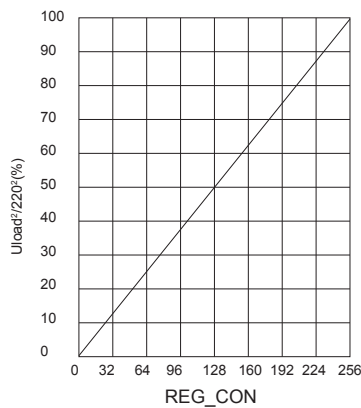
Wiring Diagram



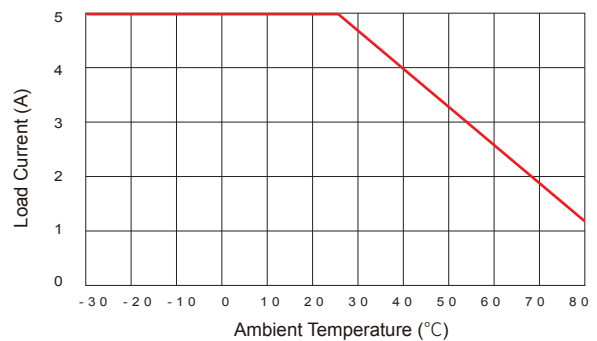
Connection mode for 2 or more control terminals

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.