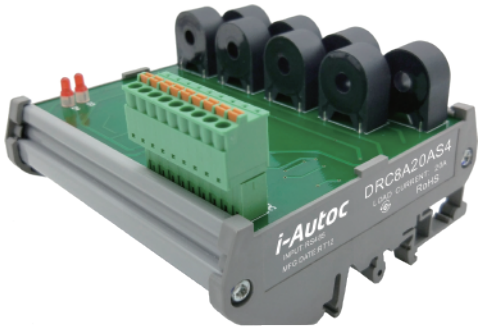
Product Description

- RS 485 Bus Control
- Modbus RTU Communication Protocol
- Max. Current: AC 40A RMS
- Address Range: 1~249
- Able to Detect 8 Channel Currents



Ordering Information

DRC	8	A	20	A	S4
DRC Series	Detection Current Channel 3: 3 Channels 8: 8 Channels	Current A: AC	Rated Current 20: 20Amp 40: 40Amp	Deviation A: ±5%	Communication Mode S4: RS 485

Technical Specification

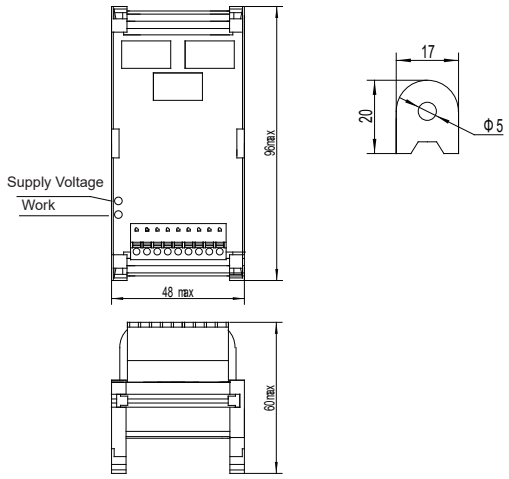
Auxiliary Power Supply Voltage Range	15 ~ 30VDC/AC	
Max.Auxiliary Power Supply Current	60mA	
Input Control	RS 485（2 Connections）	
Max. Current	20A	
Deviation	±5% @5A	
Slave Station Address Range	01～249	
Address Register	20（14H）	
Public Address(1)	250（FAH）	
Maximum number of nodes	249	
Data Bit Rate	19200bps	
Communication Agreement	Modbus RTU	
Current Register	First Channel	01H
	Second Channel	02H
	Third Channel	03H
	Fourth Channel	04H
	Fifth Channel	05H
	Sixth Channel	06H
	Seventh Channel	07H
	Eighth Channel	08H
Ambient Operating Temperature Range	-30℃～+80℃	
Ambient Storage Temperature Range	-30℃～+100℃	
Weight [Typical]	162g	

Note: （1）When the module leaves the factory, the default address is: 01H. Modifications can be made in two ways:

a）If knowing the module address, then to write the new address into the address register (14H). The module's address will be changed to a new address when the power is cut off and the power is restarted.

b）If not knowing the module address,then to change the module address through Address 250 (FAH). All modules are compatible with 250 (FAH) addresses, which only support write commands (06H), and the target register must be 20 (14H). Note: When the address is changed with this address, only one module can be fixed with 485 bus. After writing, the module's address will be changed to a new address when the power is cut off and the power is restarted.

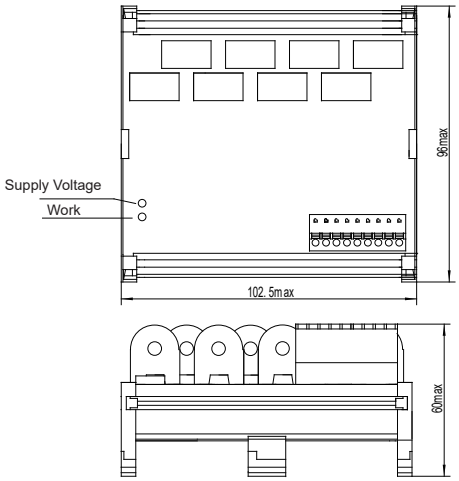
Installation



"Power Supply/Communication Indicator: When the product is equipped with bias power supply, the LED is on.When 485 has communication, the LED is brighter."

Working Indicator: When the product is working, the LED flashes at a period of 1.5S.

3: 3 Channels



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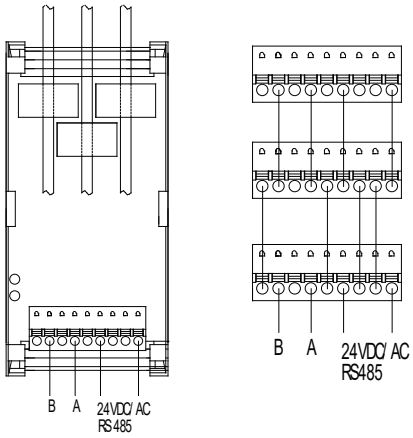
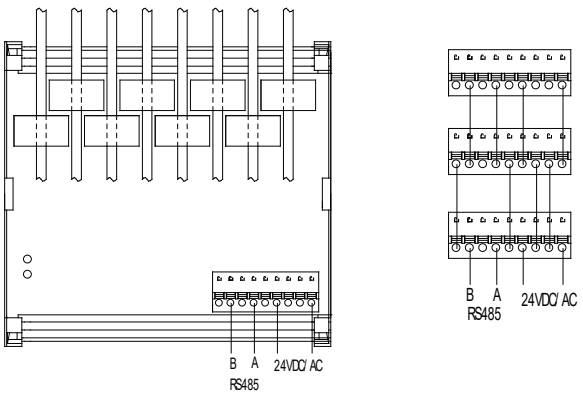
8: 8 Channels

Wiring Diagram



Connection mode for 2 or more control terminals



Connection mode for 2 or more control terminals

Important Notice

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

