



SmartGen SG485 Communication Interface Conversion Module User Manual

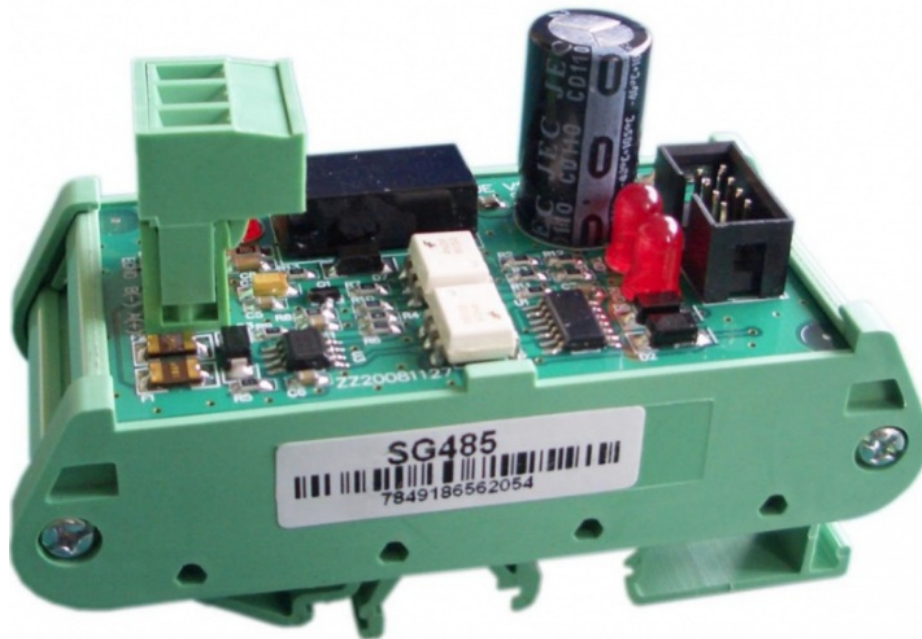
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SmartGen SG485 Communication Interface Conversion Module



OVERVIEW

SG485 Communication Interface Conversion Module can convert the communication interface from LINK (SmartGen special) to isolated standard RS485. The module integrated DC/DC power isolation and RS485 interface chip which enable it to connect to RS-485 network.

PRODUCT FEATURE

TECHNICAL PARAMETERS

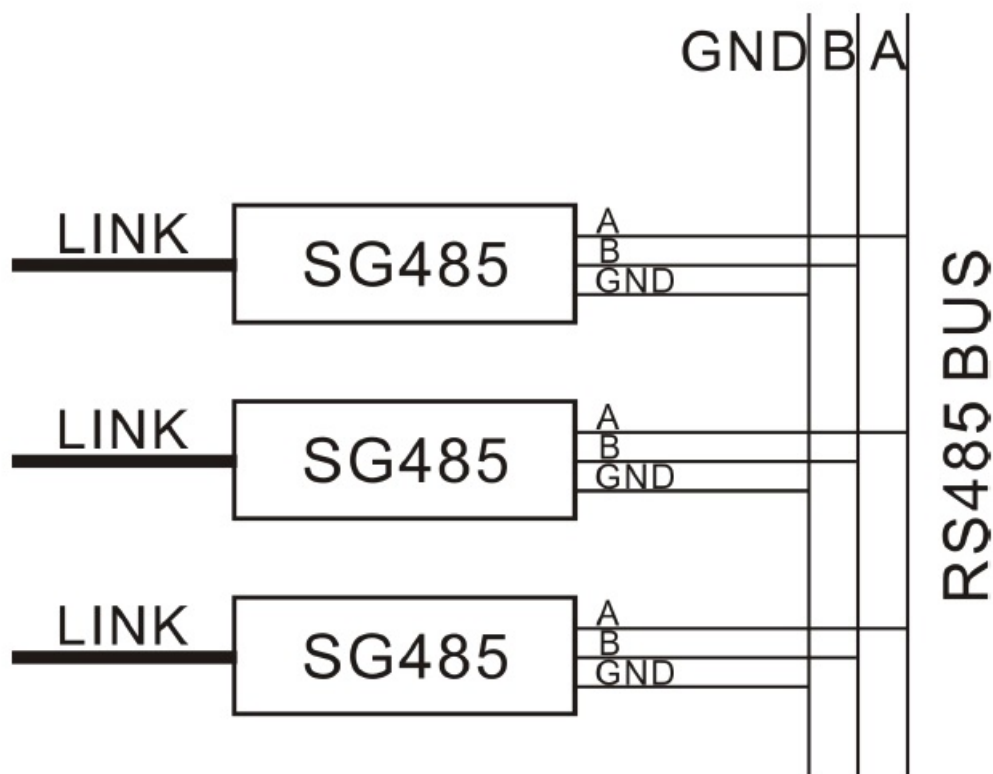
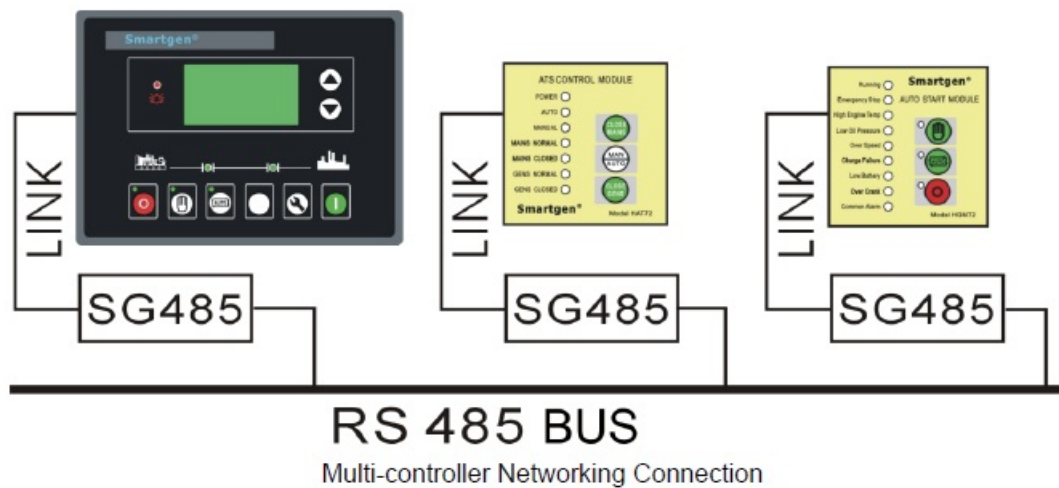
- RS485 network can connect to maximum 32 nodes;
- Isolation Voltage: reach up to DC1000V;
- Power supplied by LINK interface and there is no need to connect to external power supply.
- Baud rate ≤ 9600 bps
- Humidity: 20%~90%(No Condensation)
- Working Temperature: $-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$
- Case Dimension: 91*42*61mm(L*W*H)
- Weight: 0.06kg.

INTERFACE AND INDICATORS



- **a)** RXD indicator: Receive data; It is flash when the module is receiving data from network.
- **b)** TXD indicator: Transmit data; It is flash when the module is transmitting data to network.
- **c)** POWER indicator: Power supply; Power supplied by LINK interface and there is no need to connect to external power supply.
- **d)** LINK interface: TTL level port; (SmartGen's special communication interface);
- **e)** RS485 interface: RS485 serial communication interface.

TYPICAL APPLICATION



Please set each controller's communication address before networking and same module address within the same network is not allowed.

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Software Version:

Date	Version	Note
2008-12-05	1.0	Original release.
2013-09-05	1.1	Modify company's information.
2017-09-27	1.2	Update product picture.

Documents / Resources

	<p>SmartGen SG485 Communication Interface Conversion Module [pdf] User Manual SG485 Communication Interface Conversion Module, SG485, SG485 Conversion Module, Communication Interface Conversion Module, Interface Conversion Module, Communication C onversion Module, Conversion Module, Communication Module, Module</p>
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References

- [众智](#)
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