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Software Version

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<td>2008-12-05</td>
<td>1.0</td>
<td>Original release.</td>
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<tr>
<td>2013-09-05</td>
<td>1.1</td>
<td>Modify company’s information.</td>
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1 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.
2 PRODUCT FEATURE

2.1 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 ≤ 9600bps;
- Humidity: 20%~90%(No Condensation);
- Working Temperature: -40℃~+70℃
- Case Dimension: 91*42*61mm(L*W*H);
- Weight: 0.06kg.

2.2 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.
3 TYPICAL APPLICATION

RS 485 BUS
Multi-controller Networking Connection

RS485 Communication Bus Connection

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