



SW 485GI

Industrial isolation RS-232/485/422 converter and repeater

User Manual

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【Summarize】

SW485GI Can use for RS485/422 repeater and RS232 to RS485/422 converter, but just use one function at same time. The product must have 12-36VDC power input, optic- electrical isolation more than 3KV. Have small volume, 3000m transfer distance, high rate, steadily performance and so on. It is abroad used in industry control system, It is a best performance and price interface convertert and Repeater.

【Packing checklist】

While using this converter for the first time, please check whether the packaging is intact, the random attachment is complete at first.

- | | |
|-----------------------------|--------|
| ● Converter SW485GI | 1 set |
| ● DB9F to DB9M convert line | 1 pcs |
| ● User manual | 1 book |
| ● Guarantee card | 1 pcs |

The accurate device is put in the apparatus, please pay attention to handling with care, avoid violent vibration, so as not to influence equipment performance. If you find the apparatus has been damaged or lost any part in the course of transporting, please notify the distributor of our company or our company, we will solve properly for you as soon as possible.

【Feature】

- Support DIN-rail, Terminal block connection
- 12~36VDC Power input
- Adopt itself adapt interface technique, no use for

setup switch

- Adopt ADDC, auto distinguish and data transfer direction.
- Can use for RS485/422 repeater and RS232 to RS485/422 converter, but just use one function at same time
- Supply 3000V optic-electrical isolation, 1500W surge protection
- 3000m (9600bps)

【PIN define】

SW485GI RS-232 side use DB9F, RS-485/422 side use 5 terminal block power input is 3 terminal block.

Near side:



RS-232 (DB9):

2 TXD 3 RXD 5 GND

RS-485/422 side 1 (5 terminal block):

T+/485+ RS-422 send+/485+

T-/485- RS-422 send-/485-

GND1 Single ground 1

R+ RS-422 receive+

R- RS-422 receive-

Far side:



Power input (12~36VDC, 3 terminal block.

V+ Power input+

V- Power input-

RS-485/422 side 2 (5 terminal block):

T+/485+ RS-422 send+/485+

T-/485- RS-422 send-/485-

GND2 Signal ground 2

R+ RS-422 receive+

R- RS-422 receive-

Note:

- (1) SW485GI can not use for converter and repeater in the same time
- (2) If SW485GI used for RS-232 to RS485/42 converter, RS-485/422 is RS-485/422 side 2
- (3) If SW485GI use for converter or repeater, Local device connect RS-485/422 side 1, remote device connect RS-485/422 side 2

【LED indicator】

Power: Green

ON: Have power; OFF: No power

RxD: Green

ON: Have data receive, OFF: No data receive

TxD: Green

ON: Have data send, OFF: No data send

【Application Field】

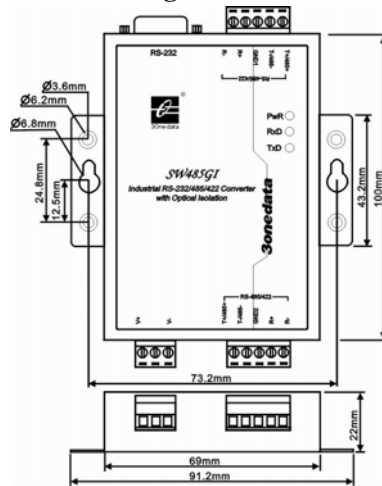
Point to point communication, industrial gathering and disperse distribution system, all kinds of remote control and measurement system, POS, banking, insurance,

stocking, canteen meal selling system, transport billing system, all kinds of PLC, digital power meter, gas meter.

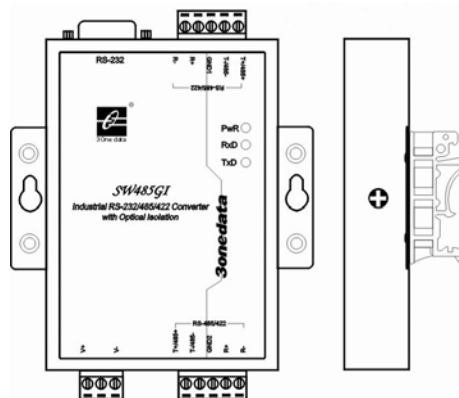
【Installation】

SW485GI/C provides DIN-rail and wall mounting two types of installation.

Wall mounting installation:



DIN-Rail Installation



【Specification】

Performance parameter

Interface: EIA RS-232, RS-485, RS-422 standard

RS-232: TXD, RXD, GND

RS-485: 485+, 485-, GND

RS-422: R+, R-, T+, T-, GND

Transfer rate: 300-115200bps, auto test serial signal rate examine signal speed automatically, zero delay time,

Transfer distance: RS-485 port 3000m(9600bps), RS-232 port less than 15m

Port type: RS-232 port DB-9 female, RS-485/422 port 5 bit terminal block

Isolation mode, adopt +12V~36VDC input power, provide 3000V isolation

1500W surge protection; 15KV ESD protection

Environment index

Working environment: -40°C to 80°C

Relative humidity 5% to 95%

Appearance guideline

L×W×H: 100mm×69mm×22mm

Shell: Iron

Color: White