COM-103C
COM-104C
COM-A
COM-B

COM-103C/104C   COM-A/B

General Description

The COM series are communication level converters between RS-232C and RS-422A/485.

COM-103C : RS-422A/RS-485 ↔ RS-232C
COM-104C : RS-422A ↔ RS-232C
COM-A :   RS-422A ↔ RS-232C, DIN rail mount type
COM-A :   RS-485 ↔ RS-232C, DIN rail mount type

Features

☆ Slim case 210 x 32 x 111mm (COM-103C/104C)
☆ Compact size 96 x 23.5 x 100mm (COM-A/B)
☆ DIN rail mount type (COM-A/B)

Specifications

COM-103C

Type : Line Converter for 2-wire system half-duplex
RS-422A/RS-485 ↔ RS-232C

Details of RS-232C connector signals

Pin No.	Symbol	Name
2	SD	Send data
3	RD	Receive data
4	RS	Send request
5	CS	Ready to send
7	SG	Signal ground

* Symbols are based on JIS standard.

Details of RS-422A/RS-485 terminal signals

No.	Symbol	Name
1	SG	Signal ground
2	T/R(A)	Send data (-) and receive data (-)
3	T/R(B)	Send data (+) and receive data (+)
9	FG	Grounding for safety
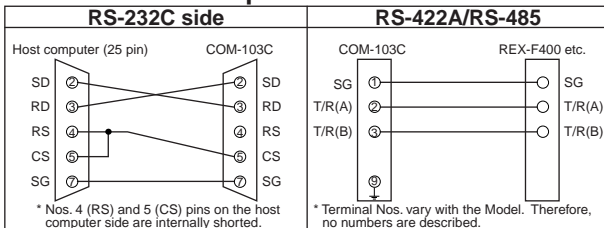
* Symbols are based on JIS standard.

• Connection Examples

RS-232C side	RS-422A/RS-485

* Nos. 4 (RS) and 5 (CS) pins on the host computer side are internally shorted.

* Terminal Nos. vary with the Model. Therefore, no numbers are described.

Note: Above are the connection examples. The details of signals may vary with the host computer to be used. Therefore, take appropriate measures after signals are confirmed.

General Specifications (COM-103C and COM-104C)

External Dimensions (W x H x D) : 32 x 210 x 111mm
Supply voltage : 90 to 264V AC (50/60Hz)
Power consumption : Less than 9VA
Net weight : Approx. 540g

COM-104C

Type : Line Converter for 4-wire system full-duplex
RS-422A ↔ RS-232C

Details of RS-232C connector signals

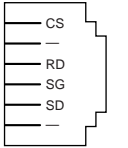| Pin No.	Symbol	Name
2	SD	Send data
3	RD	Receive data
7	SG	Signal ground

* Symbols are based on JIS standard.

Details of RS-422A terminal signals

No.	Symbol	Name
1	SG	Signal ground
2	R(A)	Receive data (-)
3	R(B)	Receive data (+)
4	T(A)	Send data (-)
5	T(B)	Send data (+)
9	FG	Grounding for safety

* Symbols are based on JIS standard.

• Connection Examples

RS-232C side	RS-422A side

* Nos. 4 (RS) and 5 (CS) pins on the host computer side are internally shorted.

* Terminal Nos. vary with the Model. Therefore, no numbers are described.

Note: Above are the connection examples. The details of signals may vary with the host computer to be used. Therefore, take appropriate measures after signals are confirmed.

Communication Level Converter COM series

Specifications

COM-A

Type :　Line Converter for 4-wire system full-duplex
　　　　RS-422A ↔ RS-232C

Details of RS-232C connector signals

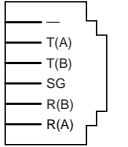| Pin No.	Symbol	Name
1	CS	Ready to send
2	—	Not used
3	RD	Receive data
4	SG	Signal ground
5	SD	Send data
6	—	Not used

* Symbols are based on JIS standard.

Details of RS-422A connector signals

Pin No.	Symbol	Name
1	—	Not used
2	T(A)	Send data (-)
3	T(B)	Send data (+)
4	SG	Signal ground
5	R(B)	Receive data (+)
6	R(A)	Receive data (-)

* Symbols are based on JIS standard.

• Connection Examples
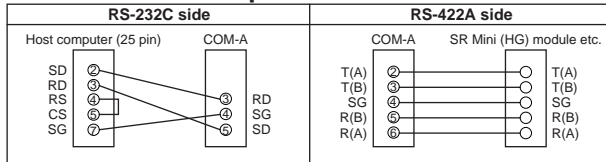
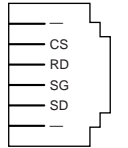### COM-B

Type :　Line Converter for 2-wire system half-duplex
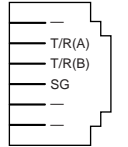　　　　RS-485 ↔ RS-232C

Details of RS-232C connector signals

Pin No.	Symbol	Name
1	—	Not used
2	CS	Ready to send
3	RD	Receive data
4	SG	Signal ground
5	SD	Send data
6	—	Not used

* Symbols are based on JIS standard.

Details of RS-485 connector signals

Pin No.	Symbol	Name
1	—	Not used
2	T/R(A)	Send data (-) and receive data (-)
3	T/R(B)	Send data (+) and receive data (+)
4	SG	Signal ground
5	—	Not used
6	—	Not used

* Symbols are based on JIS standard.

• Connection Examples
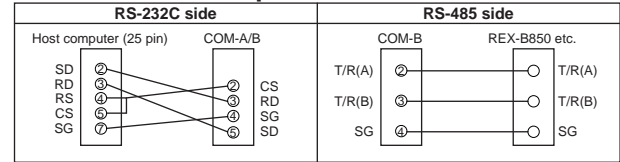
General Specifications (COM-A and COM-B)

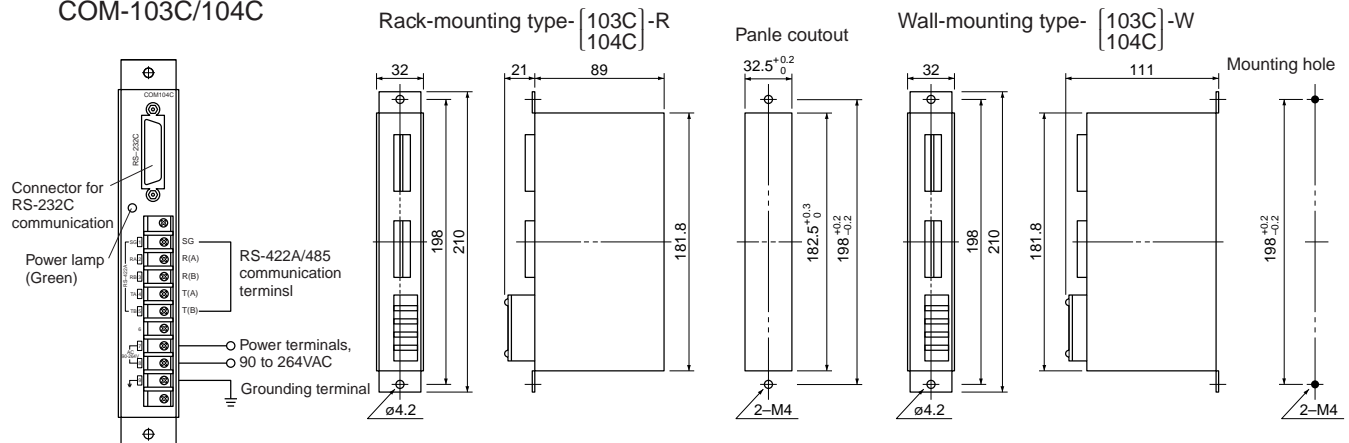**External Dimensions** (W x H x D) : 23.5 x 96 x 100mm
Supply voltage : 90 to 264V AC (50/60Hz)
Power consumption : Less than 5VA
Net weight : Approx. 200g

External Dimensions and Terminals

COM-103C/104C

Rack-mounting type- [103C / 104C] -R

Panle coutout

Wall-mounting type- [103C / 104C] -W

COM-A/B