AUTONICS
LASER DISPLACEMENT SENSOR COMMUNICATION CONVERTER
BC-D SERIES
INSTRUCTION MANUAL

Thank you for choosing our Autonics product. Please read the following safety considerations before use.

Safety Considerations
- Please observe all safety considerations for safe and proper product operation to avoid hazards.
- A symbol represents caution due to special situations in which hazards may occur.

Warning
Failure to follow these instructions may result in serious injury or death.
- Please observe all safety considerations for safe and proper product operation to avoid hazards.

Danger
Failure to follow these instructions may result in personal injury or product damage.
- Failure to follow these instructions may result in personal injury or product damage.

Caution
Failure to follow these instructions may result in personal injury or product damage.
- Do not disassemble or modify the unit.

Note
- Do not disassemble or modify the unit.

Proper Usage
- Before using this communication converter, depending on the usage environment, keep following considerations in mind.

Connections
3. Do not use the unit in the place where a loud noises (vibrating motor, steam engine, etc.) are present.

Specifications
- Do not disassemble or modify the unit.

Product Description
- SD Series manual
- SCM-US48I (USB - RS485) Driver, Instruction manual

Cautions during Use
1. Follow instructions in ‘Cautions during Use’. Otherwise, it may cause unexpected accidents.

Dimensions
- When connecting BD-C to the device, see D-SUB pin guide.

Specifications
- Communications converter

Connections
- Converters output

Status Indicators
- BD-C SERIES

Displays power, communication input/
Status Indicator:
- Parity bit and stop bit.

Communication System Composition
- Communication settings

Caution
1. Full-scale device must be installed when using the unit with machinery that may cause various injury or substantial accidents, such as machine, power plant, medical equipment, ships, vehicles, railways, aircraft, construction apparatus, safety equipment, crime/disaster prevention devices, etc.

Warning
Failure to follow this instruction may result in personal injury, fire or electric shock.

1. Full-scale device must be installed when using the unit with machinery that may cause various injury or substantial accidents, such as machine, power plant, medical equipment, ships, vehicles, railways, aircraft, construction apparatus, safety equipment, crime/disaster prevention devices, etc.

Connecting to amplifier unit
- Connect the side connector to the units.

Unit Description
- Make sure to follow caution written in the instruction manual, user manual and the technical descriptions (catalog, website).

Installations
- Mounting on DIN rail:

View the communication pin and communication input/output

Communication converter

Communication Setting switch
- Terminal switch (ST): Set the switch to 'OFF' when the communication converter is connected to the terminal of RS485 communication connection, and set to 'ON' when it is in the middle of the communication connection.

Communication Setting
- Default: All switches OFF

Cautions during Use
1. Follow instructions in ‘Cautions during Use’. Otherwise, it may cause unexpected accidents.

Communication Function
- Communications converter

Cautions during Use

Cautions during Use
- When connecting BD-C to the device, see D-SUB pin guide.