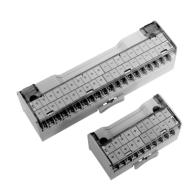
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XTB-COM Series

User's Guide





Thank you for purchasing product of SAMWON ACT. Please check model of product that you purchase first, and read this manual prior to use it.

Caution for Safety

| | | Case that results in serious damage in human body or equipment, and fire if user handles this equipment wrongly |
|---|---------|---|
| Δ | Warning | Case that results in slight damage in human body or equipment, and fire if user handles this equipment wrongly |

- 1. Do not open the cover while the power is on or during operation, It may cause electric shock.
- 2. Be sure to shut off the power supply from the outside before mounting and wiring. It is cause fire or electric shock
- 3. Do not use if the cable sheath is damaged.
- It may cause electric shock,
- 4. When machining and wiring the mounting hole, do not allow foreign matter such as dust or wire covering to enter the connection terminal, Failure to do so may result in damage to the unit, heat, or ignition,
- * We are providing the connection cable for PLC per each maker. For detail on model and specification, refer to our catalog or contact us.

- 1. Use within the specified rated voltage and rated current range, This may result in fire or damage to the product,
- 2. Do not use outdoors,
- Electric shock and product life may be shortened,
- Use within the specified temperature range, (-10°C ~ +50°C)
- Damage to the outer case may occur,
- 4. Do not use water or organic solvents for cleaning. Use a dry towel free of water, It may cause electric shock and damage to the product.

Use caution

- 1. Use in the specified temperature and humidity
- 2. Please make sure to check the internal wiring diagram of the terminal block and the arrangement of the controller PIN (terminal) when making the connection cable between the controller (PLC etc.).
- 3. Use AWG 22 ~ 16 (1.25m² / MAX) for the suitable wire, and check the crimp terminal after checking the "Applicable crimp terminal" specification.
- 4. The device is suitable for use only within an acceptable enclosure which has mechanical regidity.
- 5. Can be used under the following environmental conditions.
- 1 Indoor 2 Pollution degree 2 3 Altitude 2,000m or less, 4 Overvoltage Category II

Model Configuration



Model Selection

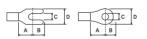
| Model | No.of Poles | Common arrangement | Dimensions | Mounting Method |
|------------|-------------|--|--------------|---|
| XTB-COM20 | | Upper Row 10P(+) / Lower Row 10P(-) Common | | Screw mounting / DIN Rail (Channel) |
| XTB-COM20B | 20 | Left 10P(+) / Right 10P(-) Common | 80.0 * 40.5 | |
| XTB-COM20C | | A-B Common | | |
| XTB-COM40 | 40 | Upper Row 20P(+) / Lower Row 20P(-) Common | | |
| XTB-COM40B | | Left 20P(+) / Right 20P(-) Common | 149.0 * 40.5 | |
| XTB-COM40C | | A-B Common |] | |

Product/Specification

| Model | Model | | XTB-COM20B | XTB-COM20C | XTB-COM40 | XTB-COM40B | XTB-COM40C |
|-----------------------|------------------------------------|---|------------|------------|-------------------------|------------|------------|
| Rated voltage | | 125VAC ~ 50/60Hz, 125VDC == | | | | | |
| Rated current | | 10A (Total) 3A (Line) 10A (Total) | | | 3A (Line) | | |
| Number of te | Number of terminals Terminal pitch | | 20ea 40ea | | | | |
| Terminal pito | | | 7,0mm | | | | |
| Suitable wire | • | AWG22~16 (1,25m² / MAX) (Use copper conductor only) | | | | | |
| Insulation resistance | | 100MΩ or more, (500VDC) | | | | | |
| Dielectric strength | | 500VAC ~ 1min | | | | | |
| Screw | | M3 X 7L | | | | | |
| Screw torque | | 1,2N • m (12kgf • cm) | | | | | |
| Environment Note1) | Ambient temperature | -10°C ~ +50 | ı°c | | | | |
| | Ambient humidity | 35~85%RH | | | | | |
| | Case | Modifide PP0 |) | | | | |
| Material | Protective cover | Polycarbonate | | | | | |
| | PCB | Epoxy 1,6t | | | | | |
| Weight Note2) | | About 90g (A | About 75g) | | About 156g (About 136g) | | |

Note1) The conditions of use of the environment items are that they are not freezing or condensing Note2) It is weight in packed condition, parenthesized is only the product weight,

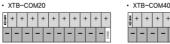
Applicable Crimp Terminal



| | | Α | В | С | D | Suitable wire |
|--|--------------------|------------------|-----------------|------------------|-----------------|---------------|
| | Y type terminal | 5.8 or higher | 4.2 or lower | 3.0 or higher | 6.0 or lower | AWG 22~16 |
| | O type terminal | 5,8 or higher | 4.2 or lower | 3.0 or higher | 6.0 or lower | (0.30~1,25m²) |

*Use crimp terminals for UL approved products

• Terminal marking strips

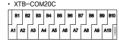




XTB-COM20B





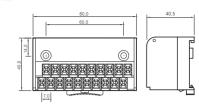




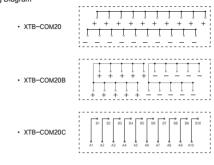
*It is attached to the window for user's convenience,

TB−COM20

Dimension

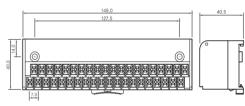


Wiring Diagram



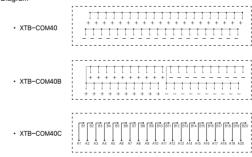
ATB-COM40□

Dimension



Wiring Diagram

(Unit: mm)



- * The above specifications are subject to change without notice.
- ** Please contact HQ or branch office where you purchased product for A/S of this product or technique.

Major products

- Relay terminal 1, 2, 4, 6, 8, 16, 32point
- Interface terminal 20, 24, 26, 34, 40, 50, 40 x 2pole
- PLC I/O Connecting cables MITSUBISHI, LSIS, CIMON, OMRON, FUJI, YOKOGAWA, HITACHI, SIEMENS, AB, etc.
- Servo Connecting cables Encoder cable, Power cable, Motion cable / MITSUBISHI, YASKAWA, OMRON, PANSONIC, LSIS, SAMSUNG, etc.
- Wiring harness / Special cable assembly



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- 104beon-gil, Gwangmyeong-si, Gyeonggi-ao TEL : (02)837-2230 FAX : (02)837-2226

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