

BEFORE USE

Thank you for choosing us. Before use, check the contents of the package you received.

If you have any problems or questions with the product, please contact our sales office or representatives.

PACKAGE INCLUDES:

Standard rack(1)

MODEL NO.

Confirm that the model number described on the product is exactly what you ordered.

INSTRUCTION MANUAL

This manual describes necessary points of caution when you use this product, installation, connection procedures.

POINTS OF CAUTION

POWER INPUT RATING & OPERATIONAL RANGE

- Locate the power input rating marked on the product and confirm its operational range as indicated below:
24V DC rating: 24V ±10%, min. 1.3A

ENVIRONMENT

- Indoor use
- When heavy dust or metal particles are present in the air, install the unit inside proper housing with sufficient ventilation.
- Do not install the unit where it is subjected to continuous vibration. Do not apply physical impact to the unit.
- Environmental temperature must be within -5 to +55°C (23 to 131°F) with relative humidity within 30 to 90% RH in order to ensure adequate life span and operation.
- Be sure that the ventilation slits are not covered with cables, etc.

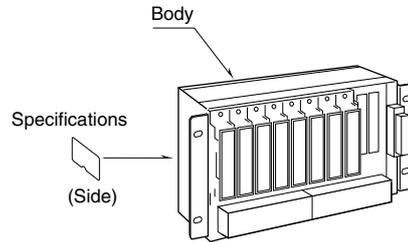
WIRING

- Do not install cables (power supply, input and output) close to noise sources (relay drive cable, high frequency line, etc.).
- Do not bind these cables together with those in which noises are present. Do not install them in the same duct.

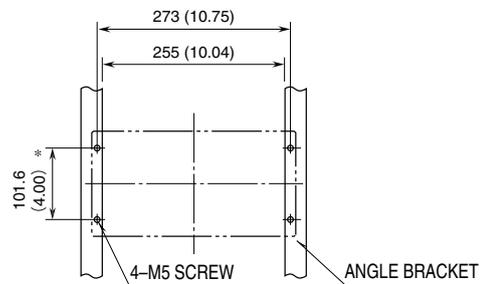
AND

- The unit is designed to function as soon as power is supplied, however, a warm up for 10 minutes is required for satisfying complete performance described in the data sheet.

COMPONENT IDENTIFICATION



MOUNTING REQUIREMENTS mm (inch)

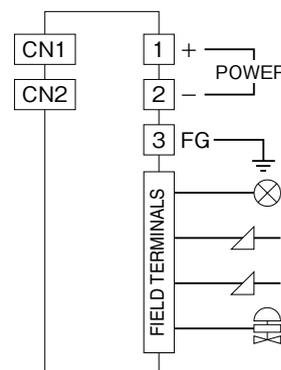


Observe an appropriate wiring space over and below.
*100 (3.94) for JIS standard

TERMINAL CONNECTIONS

Connect the unit as in the diagram below.

CONNECTION DIAGRAM



Note : CN1 and CN2 are not available without connector.

■ CONNECTOR PIN ASSIGNMENT

- Fujitsu FCN type I/O connector
(OTAX N365P040AU
(Fujitsu FCN-365P040-AU...discontinued))

Connector Pin Assignment

CN1: output 1 or input

CN2: output 2

PIN NO.	ASSIGNMENT	PIN NO.	ASSIGNMENT
A 1	ch. 1 +	B 1	ch. 1 -
A 2	ch. 2 +	B 2	ch. 2 -
A 3	ch. 3 +	B 3	ch. 3 -
A 4	ch. 4 +	B 4	ch. 4 -
A 5	ch. 5 +	B 5	ch. 5 -
A 6	ch. 6 +	B 6	ch. 6 -
A 7	ch. 7 +	B 7	ch. 7 -
A 8	ch. 8 +	B 8	ch. 8 -

A9 – A20, B9 – B20: Unused

Pin assignment is common to both CN1 and CN2.

- Toshiba DCS SAMP1 card use

Location

Output connector: HIF3BA-40PA-2.54DS (11)

CN1 : SAMP1

CN2 : SAMP1 for redundancy

18K-RACK LOCATION NO.							
1	2	3	4	5	6	7	8
CN1, CN2							
1	2	3	4	5	6	7	8
SAMP1 INPUT NO.							

- Toshiba DCS SAIN1, SAI06, SAO06 card use

Location

I/O connector : Omron XG4A-2034

CN1 : SAIN1, SAI06, SAO06 (ch.1 – ch.8)

CN2 : SAIN1, SAI06, SAO06 (ch.1 – ch.8) for redundancy

The input or output 1 is connected to the connector.

18K-RACK LOCATION NO.							
1	2	3	4	5	6	7	8
CN1, CN2							
1	2	3	4	5	6	7	8
SAIN1, SAI06, SAO06 INPUT or OUTPUT NO.							

Connector Pin Assignment

PIN NO.	ASSIGNMENT
20	ch.1 +
19	ch.1 -
18	ch.2 +
17	ch.2 -
16	ch.3 +
15	ch.3 -
14	ch.4 +
13	ch.4 -
12	ch.5 +
11	ch.5 -
10	ch.6 +
9	ch.6 -
8	ch.7 +
7	ch.7 -
6	ch.8 +
5	ch.8 -

Pin assignment is common to both CN1 and CN2

The signal that is connected to the connector is the input signal or the output signal 1.

Toshiba DCS SAMP1 uses Panasonic AXM220001. As connector is discontinued, Omron XG4A-2034 is used as an alternative. (Replace cable side.)

CHECKING

- 1) Terminal wiring: Check that all cables are correctly connected according to the connection diagram.
- 2) Power input voltage: Check voltage across terminals 1 (+) – 2 (-). Use a power source of ripple level 10% p-p or less.
- 3) Installation & environment: Check ambient temperature. Also check that there are no excessive dust particles around. Check that there is no vibration.