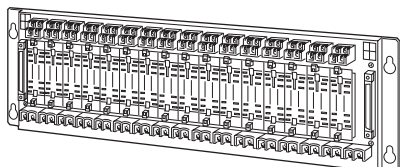


INSTALLATION BASE (16 positions)**Functions & Features**

- Saving individual wiring work for panel installation of the H-UNIT modules
- High-density mounting
- 16 outputs available at the connector
- Printing wiring for line voltage distribution
- Monitoring at screw terminals

**MODEL: BS-16[1][2]****ORDERING INFORMATION**

- Code number: BS-16[1][2]
- Specify a code from below for each of [1] and [2].
(e.g. BS-16H1/Q)
- Specify the specification for option code /Q
(e.g. /C01)

CAPACITY

16: 16 units

[1] FUNCTION

H1: Input & output connector plus power distribution

H2: Loop powered isolator use (output connector)

H3: Power distribution

[2] OPTIONS

blank: none

/Q: With options (specify the specification)

SPECIFICATIONS OF OPTION: Q**COATING (For the detail, refer to our web site.)**

Only solder side of the main PWB is coated.

/C01: Silicone coating

/C02: Polyurethane coating

/C03: Rubber coating

RELATED PRODUCTS

- Resistor module (model: REM-x)
- Special cable with 40-pin connector (model: FCN)

GENERAL SPECIFICATIONS

Capacity: 16 positions

Connection: M3.5 screw terminals (torque 0.8 N·m)
and 40-pin connector(s)

Screw terminal: Nickel-plated steel

Isolation

BS-16H1: I/O connector to power to ground

BS-16H2: Input to output terminals or connector to ground

BS-16H3: Input to output or connector to power to ground

INPUT & OUTPUT**■ BS-16H1**

Input: DC voltage; resistor module (model: REM-x) attached to the input terminals for current input

Output: DC voltage or current*

Connection: Screw terminals and 40-pin connector

Power input: 16 loops collectively

■ BS-16H2 (model HSN use)

Input: Loop powered isolator (4 – 20 mA DC or 10 – 50 mA DC)

Output: 1 – 5V DC or 4 – 20 mA DC*

Connection: Screw terminals and 40-pin connector

Power input: Not required

■ BS-16H3

Input: DC voltage; resistor module (model: REM-x) attached to the input terminals for current input

Output: DC voltage or current

Connection: Screw terminals

Power input: 16 loops collectively

*For current signals, either screw terminal or 40-pin connector is available.

INSTALLATION**Power input**

- DC: 24 V DC $\pm 10\%$

Operating temperature: -5 to +60°C (23 to 140°F)

Operating humidity: 30 to 90 %RH (non-condensing)

Mounting: Surface

Weight: 1.8 kg (4.0 lb)

PERFORMANCE

Insulation resistance: $\geq 100\text{ M}\Omega$ with 500 V DC

Dielectric strength

BS-16H1: 500 V AC @ 1 minute

(I/O connector to power)

1500 V AC @ 1 minute (power to ground)

500 V AC @ 1 minute (I/O connector power to ground)

BS-16H2: 500 V AC @ 1 minute

(Input to output terminals or connector to ground)

BS-16H3: 500 V AC @ 1 minute

(Input to output to power)

1500 V AC @ 1 minute (power to ground)

500 V AC @ 1 minute (Input or output to ground)

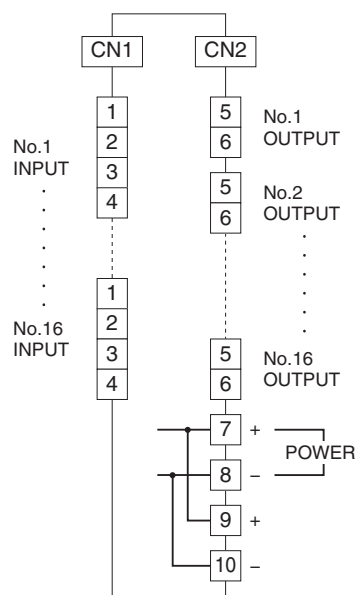
CONNECTION DIAGRAM**■ MODEL: BS-16H1 (input & output connector plus power distribution)**

• Connector Pin Assignment

CN1: Input

CN2: Output

XMTR INPUT	CN1		XMTR OUTPUT	CN2	
	A (+)	B (-)		A (+)	B (-)
No. 1 input	1	1	No. 1 output	1	1
No. 2 input	2	2	No. 2 output	2	2
No. 3 input	3	3	No. 3 output	3	3
No. 4 input	4	4	No. 4 output	4	4
No. 5 input	5	5	No. 5 output	5	5
No. 6 input	6	6	No. 6 output	6	6
No. 7 input	7	7	No. 7 output	7	7
No. 8 input	8	8	No. 8 output	8	8
No. 9 input	9	9	No. 9 output	9	9
No.10 input	10	10	No.10 output	10	10
No.11 input	11	11	No.11 output	11	11
No.12 input	12	12	No.12 output	12	12
No.13 input	13	13	No.13 output	13	13
No.14 input	14	14	No.14 output	14	14
No.15 input	15	15	No.15 output	15	15
No.16 input	16	16	No.16 output	16	16
UNUSED	17	17	UNUSED	17	17
	18	18		18	18
	19	19		19	19
	20	20		20	20

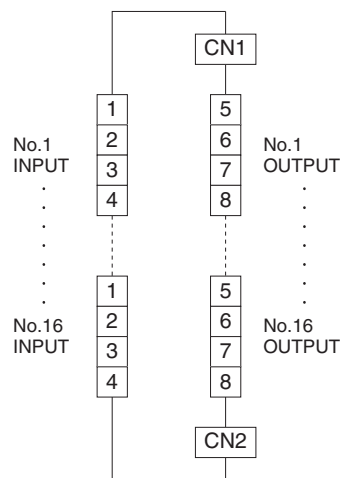
■ CONNECTION DIAGRAM

■ MODEL: BS-16H2 (loop powered isolator use (output connector))

- Connector Pin Assignment
CN1, CN2: Output

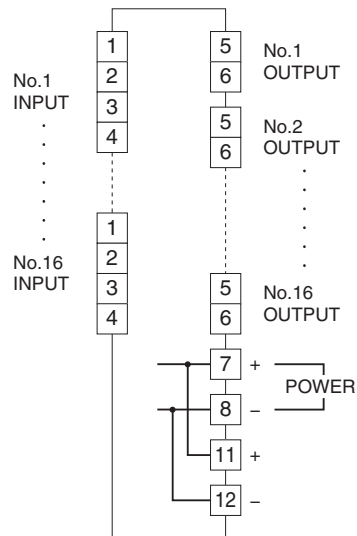
XMTR OUTPUT		CN1		XMTR OUTPUT		CN2	
		A SIDE	B SIDE			A SIDE	B SIDE
		(+)	(+)			(+)	(+)
No. 1	Ch. 1	1	1	No. 9	Ch. 1	1	1
	Ch. 2	2	2		Ch. 2	2	2
No. 2	Ch. 1	3	3	No.10	Ch. 1	3	3
	Ch. 2	4	4		Ch. 2	4	4
No. 3	Ch. 1	5	5	No.11	Ch. 1	5	5
	Ch. 2	6	6		Ch. 2	6	6
No. 4	Ch. 1	7	7	No.12	Ch. 1	7	7
	Ch. 2	8	8		Ch. 2	8	8
No. 5	Ch. 1	9	9	No.13	Ch. 1	9	9
	Ch. 2	10	10		Ch. 2	10	10
No. 6	Ch. 1	11	11	No.14	Ch. 1	11	11
	Ch. 2	12	12		Ch. 2	12	12
No. 7	Ch. 1	13	13	No.15	Ch. 1	13	13
	Ch. 2	14	14		Ch. 2	14	14
No. 8	Ch. 1	15	15	No.16	Ch. 1	15	15
	Ch. 2	16	16		Ch. 2	16	16
UNUSED		17	17	UNUSED		17	17
		18	18			18	18
UNUSED		19	19	UNUSED		19	19
		20	20			20	20

■ CONNECTION DIAGRAM



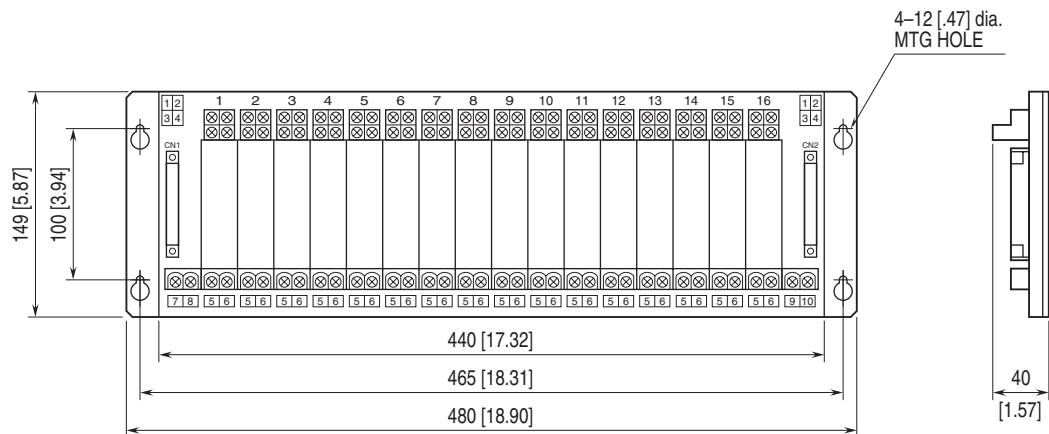
■ MODEL: BS-16H3 (power distribution)

■ CONNECTION DIAGRAM

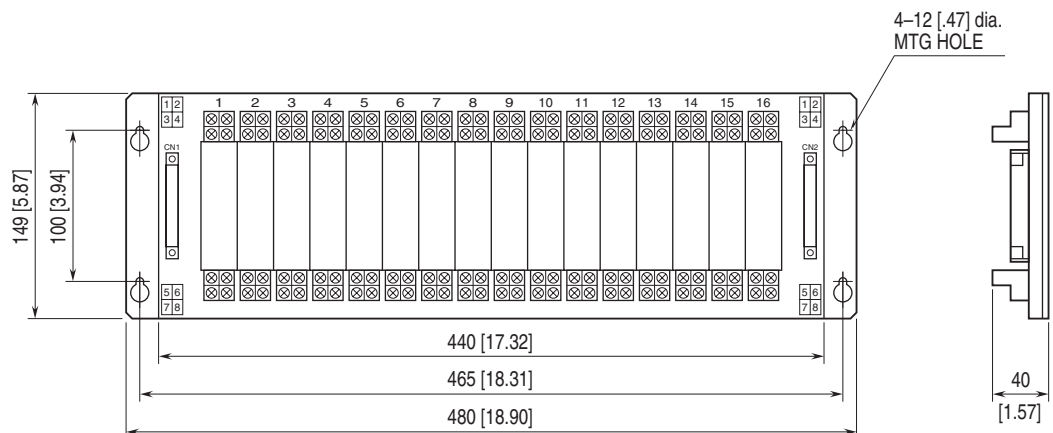


EXTERNAL DIMENSIONS unit: mm [inch]

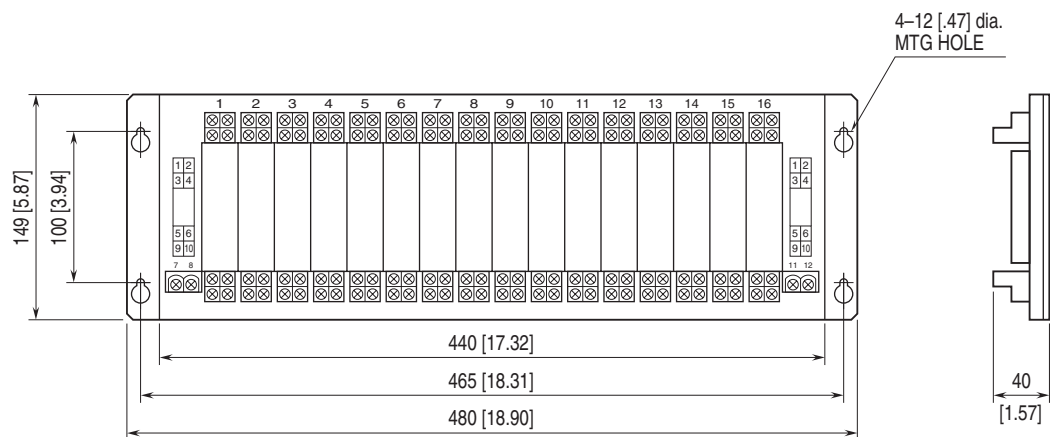
■BS-16H1



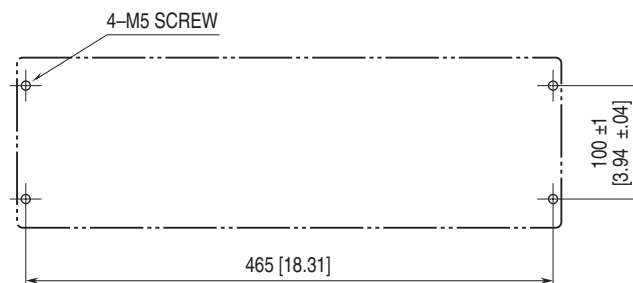
■BS-16H2



■BS-16H3



MOUNTING REQUIREMENTS unit: mm [inch]



Specifications are subject to change without notice.