## Space-saving Two-wire Signal Conditioners

Input type and range selectable with the internal

Eliminates noise and prevents ground loops with

B3HU / B3PU 1500V AC isolation between input

Wide supply voltage range 12-45V DC

potentiometers

and output

2000V AC isolation

DIP switches and fine calibration using the front

## **B3-UNIT Series**

DIN rail mounted, input configurable two-wire transmitters.

### Four-wire Signal Conditioners

#### Two-wire Signal Conditioners

Power Transducers

Indicators

Limit Alarms

Gateway,

Remote I/O

Paperless Recording System

PC Recorder

Two-wire

Product Selection Guide

27-UNIT Series

26-UNIT Series

**B6-UNIT Series** 

**B3-UNIT Series** 

**B5-UNIT Series** 

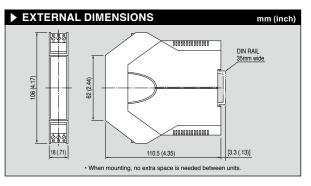
6-UNIT Series T-UNIT Series

**B-UNIT Series** 

Electronic Actuators & Position Sensors Lightning Surge Protectors

#### SPECIFICATIONS **GENERAL SPECIFICATIONS** Construction Front terminal access Connection Removable terminal block Housing material Flame-resistant resin (grey) Isolation Input to output INSTALLATION 12-45V DC Supply voltage -40 to +85°C (-40 to +185°F) **Operating temperature** Max. 55°C (131°F) for UL approval **Operating humidity** 0 to 95% RH (non-condensing) Mounting DIN rail 2000V AC @1 minute (input to output to ground) **Dielectric strength** OUTPUT Output 4 – 20mA DC Load resistance vs. supply voltage: 1650 1600 140 RESISTANCE [0] Supply Voltage (V) - 12 (V) 1200 Load Resistance ( $\Omega$ ) 1000 0.02 (A) 800 (including leadwire resistance) 600 400





Model	Function	Page
B3HU	2-wire Universal Temperature Transmitter (HART communication, intrinsically safe)	P.87
B3PU	2-wire Universal Temperature Transmitter (PROFIBUS-PA)	P.88
B3FV	Signal Transmitter (field-configurable)	P.88
B3VS/1	Signal Transmitter (single-channel output loop powered isolator)	P.88
B3VS/2	Signal Transmitter (dual-channel output loop powered isolator)	P.88
B3FT	Thermocouple Transmitter (field-configurable)	P.89
B3FR	RTD Transmitter (field-configurable)	P.89
B3FP	Frequency Transmitter (field-configurable)	P.89

#### ■ Accessories, Related Products

Model	Function	Page
COP-H	Bell202 Modem (RS-232C interface)	***
COP-HU	Bell202 Modem (USB interface)	***
M2DYH	Current Loop Supply (applicable to HART signal)	P.19
A3DYH	Current Loop Supply (applicable to HART signal)	***

To find a product in the list with "\*\*\*", visit M-System Data Library. If you cannot find a product here, please contact: info@m-system.co.jp

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SUPPLY VOLTAGE [V] 600Q maximum at 24V DC)