

Please note the following (underlined) alterations to the IM4H3B1-01E.

Page 2 "SAFETY PRECAUTIONS"

The μR1800 recorder complies as follows.

- It is a component type instrument, and is mounted in a panel or rack.
- It is an IEC standard safety class I (with protective grounding terminal) instrument.
- It is an EN61326-1 (EMC standard) class A (for use in industrial environments) instrument.
- This product is a measurement category II (CAT II) instrument.
For details, see chapter 10, "General Specifications."

Page 1-1 "1.1 Features"

Compliance with international safety standards: The μR1800 recorder complies with the EN61010-1 European safety standards, and the CSA1010.1 North American safety standards.

Page 2-2 "Table 2.1 Spares"

Name	Part Number	Description
..... mounting brackets <u>B9900BX</u> (1 pc./unit), order quantity: 2 units

Page 3-5 "WARNING"

- To prevent the possibility of electric shock when wiring, confirm that the power supply source is turned OFF.
- To prevent the possibility of fire, use a power line or cable that is equivalent to 600 V PVC insulated wire (JIS C 3307) or better, and has a temperature rating of 70°C or higher.
- Make sure to ground the protective grounding terminal through a grounding resistance of less than or equal to 100 Ω before turning ON the power.
- Use crimp-on lugs with isolation sleeves (for 4 mm screws) for the power supply wires and protective grounding wires. (See figure 3.5.)
- To prevent the possibility of electric shock, make sure to close the cover (transparent) for the power supply wires.
- Furnish a switch (double-pole type) to separate the instrument from the main power supply in the power supply line. In addition, make sure to indicate that the switch is a power control for the instrument on the switch and the ON/OFF positions of the switch.

Switching Specifications

Others than /P1 model

steady-state current rating: 1 A or more; inrush current rating: 60 A or more; and IEC60947-1.

/P1 model

steady-state current rating: 3 A or more; inrush current rating: 70 A or more; and IEC60947-1.

- Connect a fuse between 2 A and 15 A in the power supply line.
When using model /P1, connect a fuse between 5 A and 15 A in the power supply line.
- Do not add a switch or fuse to the ground line.

Page 3-9, 3-10 "WARNING"

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- Use "crimp-on" lugs with insulation sleeves for all connections if a voltage of more than 30 VAC or 60 VDC is applied to the alarm output or fail/memory end output. Furthermore, use doubleinsulated wires (withstand voltage performance: more than 2300VAC) for those wires which apply 30 VAC or 60VDC. All other wires can be basic-insulated (withstand voltage performance: more than 1390VAC). To prevent electric shock, do not touch the terminal after wiring and make sure to re-attach the cover.
- To prevent fire, use signal wires having a temperature rating of 70°C or more.

Page 10-7 “EMC Conformity Standard (for standard model except for /P1 model)”

EMI EN55011: Class A

EMS EN50082-2

IEC1000-4-2: Electronic Discharge	8 kV(Air) 4 kV(Contact)	Performance Criteria B
IEC1000-4-3: Radiated fields	80 MHz – 1000 MHz 10V/m	Performance Criteria A (Pen Model: $\pm 5\%$ of Range) (Dot Model: $\pm 20\%$ of Range)
IEC1000-4-4: Fast Transient	AC power line 2 kV The others 1 kV	Performance Criteria B
IEC1000-4-6: Conducted Disturbance	0-15 MHz – 80 MHz, 10V	Performance Criteria A ($\pm 5\%$ of Range)
IEC1000-4-8: Magnetic Field	50 Hz, 30 A/m	Performance Criteria A

Page 10-9 “SAFETY STANDARDS”

Note the following changes to complying standards.

Safety standards: Certified* by CSA22.2 No. 1010.1 (NRTL/C); installation category II, pollution degree 2

Complies with EN61010-1 (self-declared); measurement category II, pollution degree 2

EMC standards: EN61326-1; class A (for use in industrial environments)

Harmonic current standards: EN61000-3-2; class D

Flicker noise standards: EN61000-3-3

Australian EMC standards: AS/NZS 2064; class A

*: For marking that includes NRTL, a mark with “us” (USA) printed on the right side of the CSA mark, and “c” (Canada) printed on the left side appears on this instrument.

Installation category II (overvoltage category):

Describes a number which defines a transient overvoltage condition. It implies the regulation for impulse withstand voltage. “II” applies to electrical equipment which is supplied from fixed installations like distribution boards.

Pollution degree 2: Describes the degree to which a solid, liquid, or gas which deteriorates dielectric strength or surface resistivity is adhering. “2” applies to normal indoor atmosphere. Normally, only non-conductive pollution occurs.

Measurement category II: Applies to measurement of electrical equipment which is supplied from fixed installations such as a wall outlet wired from a distribution board, or of the wires themselves.