

Please note the following(underlined) alterations to the IMDC100-01E.

## Page 3 “Main Unit DC100”

Model	Suffix Code	Description
Power Cord	D.....	For AC power supply model (when power supply code is -1): 3-pin inlet w/UL, CSA cable (Part No. A1006WD), or DC power supply model (when power supply code is -2): 2-pin inlet w/UL, CSA cable (Part No. <u>B9988YE</u> )
	R.....	For AC power supply model (when power supply code is -1): 3-pin inlet w/ <u>AS</u> cable (Part No. A1024WD), or DC power supply model (when power supply code is -2): 2-pin inlet w/ <u>AS</u> cable (Part No. B9988YC)
	S.....	For AC power supply model (when power supply code is -1): 3-pin inlet w/BS cable (Part No. A1023WD), or DC power supply model (when power supply code is -2): 2-pin inlet w/BS cable (Part No. B9988YD)
	H.....	<u>For AC power supply model (when power supply code is -1): 3-pin inlet w/GB cable (complies with the CCC)(Part No. A1064WD)</u>
	W.....	

## Page 3 “Subunit DS400/DS600”

Model	Suffix Code	Description
Power Cord	R.....	3-pin inlet w/ <u>AS</u> cable (Part No. A1024WD)
	S.....	3-pin inlet w/BS cable (Part No. A1023WD)
	H.....	<u>3-pin inlet w/GB cable (complies with the CCC)(Part No. A1064WD)</u>
	W.....	

## Page 3-4 “Installation Method”

### • Direct panel mounting

Attach the unit to the 2 mm-thick metal plate using the 6 screws included (length : 16 mm) according to the figure below.

## Page 3-15 “WARNING”

- When 30 VAC or 60 VDC and more is applied to the output terminal of the alarm output module or the output terminal of the DI/DO module, use double-insulated wires (withstand voltage performance: more than 2300 VAC) for those wires which apply 30 VAC or 60 VDC and more. All other wires can be basic-insulated (withstand voltage performance: more than 1390 VAC). Furthermore, use “crimp-on” lugs (for 4-mm screws) with insulation sleeves for connecting to the screw terminal. Make sure that the crimp-on tool must be one specified by the crimp-on lugs manufacture, and that the crimp-on lugs and tool must be matched to the wire size.
- To avoid electrical shock, ALWAYS attach the terminal cover in place after the completion of wiring to the terminals so that the terminals cannot be accidentally touched.
- To prevent fire, use signal wires having a temperature rating of 75°C or more.

## Page 3-15 “CAUTION”

- The overvoltage category of each input module is CAT II (CSA1010-1).
- The measurement category of each input module is CAT II (IEC61010-1).

## Page 3-21 “CAUTION”

- The power monitor module is a product belonging to Installation (Over-voltage) Category CAT II (CSA1010-1).
- The power monitor module is a product belonging to Measurement Category CAT II (IEC61010-1).

## Page 3-28 “WARNING”

- To prevent electric shock, do not touch the terminals after wiring.
- 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.  
**Switch Specifications**  
Steady-state current rating: 3 A or more, inrush current rating: 90 A or more  
Use a switch complied with IEC60947-1, -3.
- Do not add a switch or fuse to the ground line.

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**Page 3-31 “Switching the Power ON/OFF”****Note**

- The device takes about 30 minutes to warm up.
  - The service life of the lithium battery used to save the settings is about 8 years at an ambient temperature of 23°C. If the settings cannot be held because the lithium battery has run down, please contact your nearest sales representative. Addresses may be found on the back cover of the manual.
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**Page 13-1 “Periodic Maintenance and Recommended Parts Replacement Period”**

Part	Part number	Replacement period (in years)	Description
.....	.....	.....	.....
Lithium battery	B9234XZ	5	For backup of information that has been set

**Page 14-2 “Data Saving Function”****Media for data save**

Buffer memory (internal SRAM)

Capacity: 1 MB (standard), 2 MB or 4 MB (option)

Data backup: Around 8 years (backup with lithium battery, at room temperature while power is off)

**Page 14-6 “Periodic File”****Media for data save**

Buffer memory (internal SRAM)

Capacity: 1 MB (standard), 2 MB or 4 MB (option)

Data backup: Around 8 years (backup with lithium battery, at room temperature while power is off)

**Page 14-8 “Normal Operation Conditions”**Installation category based on CSA1010-1II<sup>\*1</sup>Pollution degree based on IEC61010-1, CSA1010-12<sup>\*2</sup>**Warm-up time**

At least 30 minutes after power switch-on.

<sup>\*1</sup> 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.

<sup>\*2</sup> 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.

**Page 14-9 “EMC Eonformity Standards”**

Please refer to these specifications instead of the one printed in the user’s manual.

**The specification apply to products having the CE Mark.**

EMC Emission: EN55011, Class A  
EN61000-3-2  
EN61000-3-3

Immunity: EN61326

Low voltage EN61010-1, Measurement category II\*, Pollution degree 2

\* 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.

**Page 14-10 “General Specifications”****Set Value backup**

Lithium battery backup (approx. 8 years, at ambient temperature of 23°C)

**Page 14-15, 14-19, 14-21, 14-23, 14-25, 14-32 “Specifications of Module”****Installation Category (Overvoltage Category)**CAT II (CSA1010-1)**Measurement Category**CAT II (IEC61010-1)**Page 14-32 “Specifications of the Retransmission Module”****Load capacitance**0.22  $\mu$ F or less**Highest resolution**

DT500-11: 12 bit (approx. 1.43 mV)

DT500-21: 12 bit (approx. 5.86  $\mu$ A)