

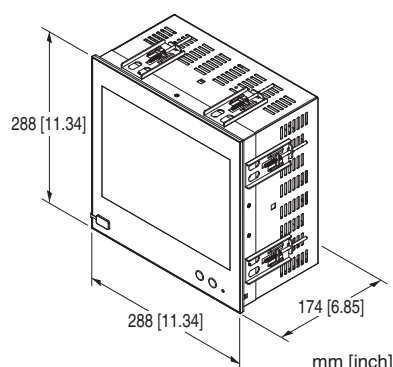
Paperless Recording System

PAPERLESS RECORDER

(color LCD display, 64 points DC voltage input, 8 points dry contact input, 8 points photo MOSFET relay output, tension clamp terminal block)

Functions & Features

- 12.1-inch XGA TFT LCD display
- Touch panel enables operation by directly touching the screen
- IP55 front panel
- Records measurement data and operation status to internal memory (Storing to SD card is also possible)
- 100 msec. sampling rate
- SD card can be removed from the front
- Recorded data can be checked on web browser
- Recorded data can be displayed and analyzed using the dedicated application
- DC voltage input, 64 points (non-isolated)
- Dry contact input 8 points, Photo MOSFET relay output 8 points
- Usable to trigger input and alarm output



MODEL: VR288E-G64-[1]-[2][3]

ORDERING INFORMATION

- Code number: VR288E-G64-[1]-[2][3]
Specify a code from below for each of [1] through [3].
(e.g. VR288E-G64-1-R/C/HA/E/Q)
- Specify the specification for option code /Q
(e.g. /C01/HA)

COMMUNICATION

E: Ethernet communication

I/O TYPE

G64: DC voltage input, 64 points,
Dry contact input, 8 points,

Photo MOSFET relay output, 8 points
(For input range, refer to analog input specifications.)

[1] ANALOG INPUT RANGE

Select input range from the following.

- 1:** DC input, 64 points (wide span voltage input, 64 points)
- 2:** DC input, 64 points
(1 - 32 ch wide span voltage input, 32 points +
33 - 64 ch middle span voltage input, 32 points)
- 3:** DC input, 64 points
(1 - 32 ch wide span voltage input, 32 points +
33 - 64 ch narrow span voltage input, 32 points)
- 4:** DC input, 64 points (middle span voltage input, 64 points)
- 5:** DC input, 64 points
(1 - 32 ch middle span voltage input, 32 points +
33 - 64 ch narrow span voltage input, 32 points)
- 6:** DC input, 64 points (narrow span voltage input, 64 points)
- 7:** DC input, 64 points
(1 - 32 ch wide span voltage input, 32 points +
33 - 48 ch middle span voltage input, 16 points +
49 - 64 ch narrow span voltage input, 16 points)
- 8:** DC input, 64 points
(1 - 32 ch middle span voltage input, 32 points +
33 - 48 ch wide span voltage input, 16 points +
49 - 64 ch narrow span voltage input, 16 points)
- 9:** DC input, 64 points
(1 - 32 ch narrow span voltage input, 32 points +
33 - 48 ch wide span voltage input, 16 points +
49 - 64 ch middle span voltage input, 16 points)

[2] POWER INPUT

AC Power

- BR2:** 100 V AC (with AC adaptor)
(Operational voltage range 100 V AC $\pm 10\%$)
(Rated output 24 V DC 1A) (CE not available)
- MR2:** 100 - 240 V AC (with AC adaptor)
(Operational voltage range 85 - 264 V AC, 47 - 66 Hz)
(Rated output 24 V DC 1A)

Note: Refer to the external dimensions for the plug shape as MR2 is intended for the EU market.

DC Power

- R:** 24 V DC
(Operational voltage range 24 V $\pm 10\%$, ripple 10 %p-p max.)

[3] OPTIONS (multiple selections)

ANALOG INPUT CONNECTOR

- blank:** Voltage input connector (1 row)
- /C:** Current input connector (2 rows)
(For current input, specify "/C" in order to connect a precision resistor module.
"/C" can be selected only when the analog input range is "1".

Prepare a precision resistor module (model: REM6-250) by user.)

INSTALLATION

blank: Panel mount type

/HA: Desktop type (with handle and rubber feet)

(Desktop type cannot be mounted on a panel surface.)

The handle and rubber feet cannot be detached.)

Language

blank: Japanese

/E: English

(Language (Japanese or English) can be chosen by front panel setting.)

Other Options

blank: none

/Q: With options (specify the specification)

SPECIFICATIONS OF OPTION: Q (multiple selections)

COATING (For the detail, refer to our web site.)

/C01: Silicone coating

/C02: Polyurethane coating

/C03: Rubber coating

RELATED PRODUCTS

- Precision resistor module (model: REM6-250)

- PC configurator software (model: VR288CFG)

- Viewer software (model: TRViewer)

Software downloadable at our web site.

- SD card

An SD card is required to store data in the device.

Use an SD card of the specified model number.

Consult us for purchase.

- Hagiwara Solutions MSDB-016GS(V01SLS)

GENERAL SPECIFICATIONS

Construction: Panel mount type or desktop type

Degree of protection: IP55; applicable to the front panel for single device mounted according to the specified panel cutout (/HA: Desktop type cannot be mounted on a panel surface)

■ Connection

Power supply:

- **Power input is R:** Tension clamp terminal block (Front Twin connection)

Applicable wire size: 0.2 - 2.5 mm²,
stripped length 10 mm

- **Power input is BR2, MR2:** AC adapter jack

Ethernet: RJ-45 modular jack

I/O: Tension clamp terminal block

Applicable wire size: 0.2 - 1.5 mm²,
stripped length 10 mm

FE terminal: M3 screw terminals (torque: 1.0 N·m)

Screw terminal: Nickel-plated steel

Solderless terminal: Refer to the recommended solderless terminal drawing.

- **Recommended manufacturer:** Japan Solderless Terminal MFG. Co., Ltd., Nichifu Co., Ltd.

- **Applicable wire size:** 0.25 - 1.65 mm² (AWG 22 to 16)

■ Housing material

Case: Steel

Front bezel: Flame-resistant resin (black)

Front LCD filter: Transparent resin

Rear cover: Flame-resistant resin (black)

■ Display

Display device: 12.1-inch TFT LCD

Display colors: approx. 16 770 000

Resolution: 1024 × 768 pixels

Pixel pitch: 0.08 × 0.24 mm

Backlight life: Approx. 50 000 hours

(The backlight can be replaced in our factory. The LCD must be replaced at the same time.)

Screen saver standby time: 1 to 10 minutes

Display update interval: 100 msec.

■ Others

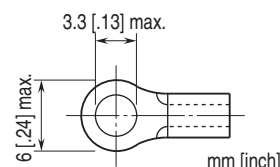
Isolation: Power supply to input 1 - 16 to input 17 - 32 to input 33 - 48 to input 49 - 64 to discrete input to discrete output to Ethernet or FE

Calendar clock: Year (4 digits), month, date, day, hour, minute, second

Output at the loss of communication: Hold the output (*), Reset the output

(*) Factory default setting

■ Recommended solderless terminal



ETHERNET COMMUNICATION

Communication Standard: IEEE 802.3u

Transmission: 10BASE-T, 100BASE-TX

Baud rate: 10/100 Mbps (Auto Negotiation function)

Protocol: IP, TCP, UDP, ICMP, SNMP, HTTP, DHCP, SMTP, SMTPS, TLS, Modbus/TCP, SLMP, Modbus/TCP server, FTP server, FTP client, FTPS client

Transmission media: 10BASE-T (STP, Category 5) 100BASE-TX (STP, Category 5e)

Max. length of fieldbus segment: 100 meters

Ethernet indicator LED: ACT, LNK

IP address: 192.168.0.10 (factory setting)

ANALOG INPUT SPECIFICATIONS

Input signal: DC voltage, 64 points

■ Wide span voltage

Input resistance: $\geq 1 \text{ M}\Omega$

$\pm 10 \text{ V DC}$ to $\pm 0.8 \text{ V DC}$

Maximum input range: $\pm 10.5 \text{ V DC}$

■ Middle span voltage

Input resistance: $\geq 100 \text{ k}\Omega$

$\pm 0.8 \text{ V DC}$ to $\pm 80 \text{ mV DC}$

Maximum input range: $\pm 0.84 \text{ V DC}$

■ Narrow span voltage

Input resistance: $\geq 100 \text{ k}\Omega$

$\pm 80 \text{ mV DC}$ to $\pm 10 \text{ mV DC}$

Maximum input range: $\pm 84 \text{ mV DC}$

CONTACT INPUT SPECIFICATIONS

Contact input: Dry contact, 8 points

Common: Negative common (connect internally to 0V)

Maximum inputs applicable at once: No limit

Input detective voltage: Approx. 5 V DC (internal supply)

ON voltage / resistance: $\leq 0.5 \text{ V} / \leq 1000 \Omega$

OFF voltage / resistance: $\geq 4.0 \text{ V DC} / \geq 20 \text{ k}\Omega$

Input current: Approx. 3.8 mA

Input resistance: Approx. 1 k Ω

ON delay: $\leq 2.0 \text{ msec.}$

OFF delay: $\leq 2.0 \text{ msec.}$

OUTPUT SPECIFICATIONS

Photo MOSFET relay output, 8 points

Rated load voltage: 48 V peak AC / DC

Rated output current: 0.2 A per point

Output ON resistance: $\leq 1 \Omega$

Leakage current at open circuit: $\leq 0.1 \text{ mA}$

ON delay: $\leq 50 \text{ msec.}$

OFF delay: $\leq 1 \text{ msec.}$

(Recommended to protect the contact and to eliminate noise when driving an inductive load.)

INSTALLATION

Power consumption

•AC:

Approx. 30 VA at 100 V

Approx. 41 VA at 200 V

Approx. 43 VA at 240 V

•DC at 24 V DC: $\leq 600 \text{ mA}$

Operating temperature: -10 to $+55^\circ\text{C}$ (14 to 131°F)

Operating humidity: 10 to 90 %RH (non-condensing)

Allowable dust particles: 0.1 mg/m² (no conductive particles)

Corrosive gas: Not allowed

Mounting: Panel flush mounting (excluding desktop type)

Panel material: Steel

Weight

•Body: 4.2 kg (9.26 lb)

•Mounting bracket: 450 g (0.99 lb)

•AC adapter for power input BR2: 270 g (0.6 lb)

•AC adapter for power input MR2: 250 g (0.55 lb)

PERFORMANCE

Conversion accuracy: $\pm 0.1 \%$ (in percentage of max. span of input range)

Conversion rate: 100 msec.

Temp. coefficient: $\pm 0.015 \%/^\circ\text{C}$ ($\pm 0.008 \%/^\circ\text{F}$)
(in percentage of max. span of input range)

Calendar clock (with battery backup):

Accuracy: Monthly deviation of ≤ 2 minutes at 25°C or 77°F

Back up period: Approx. 2 months

Battery: Lithium secondary battery (non-removable)

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

Dielectric strength: 1500 V AC @ 1 minute

(Power supply to input 1 - 16 to input 17 - 32 to input 33 - 48 to input 49 - 64 to discrete input to discrete output to Ethernet or FE)

STANDARDS & APPROVALS

EU conformity:

EMC Directive

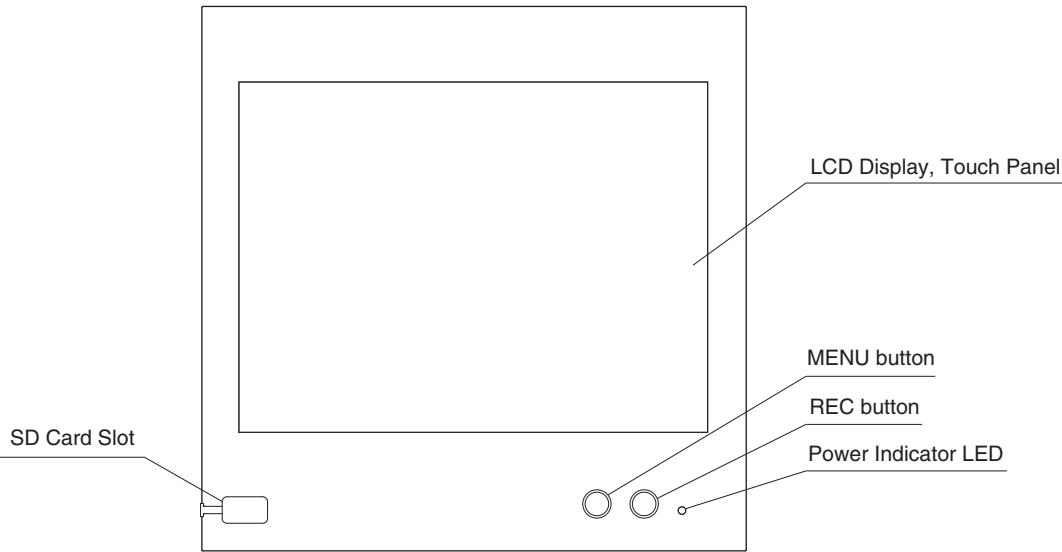
EMI EN 61000-6-4

EMS EN 61000-6-2

RoHS Directive

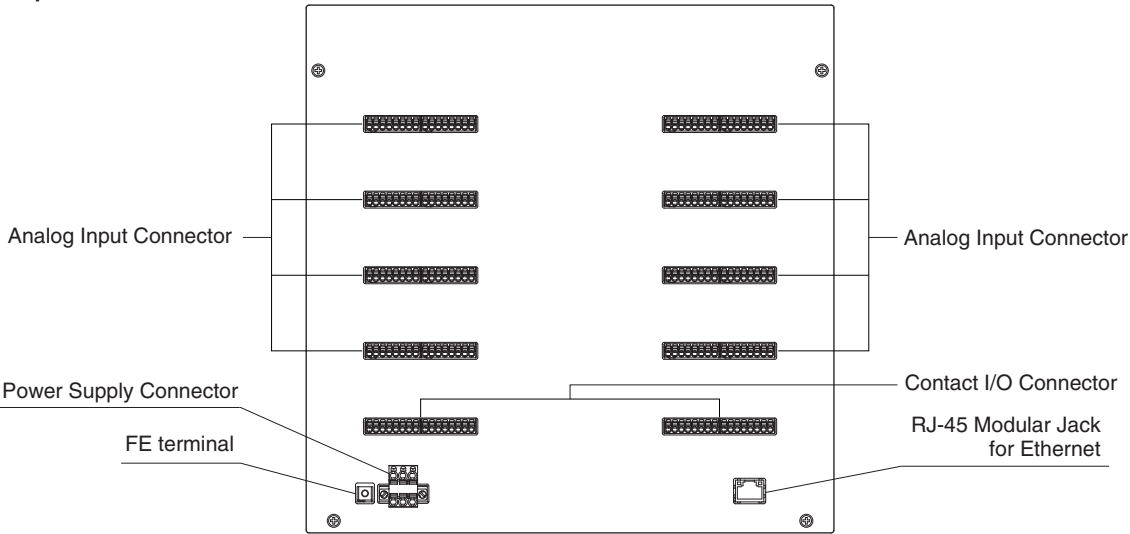
EXTERNAL VIEW

FRONT VIEW

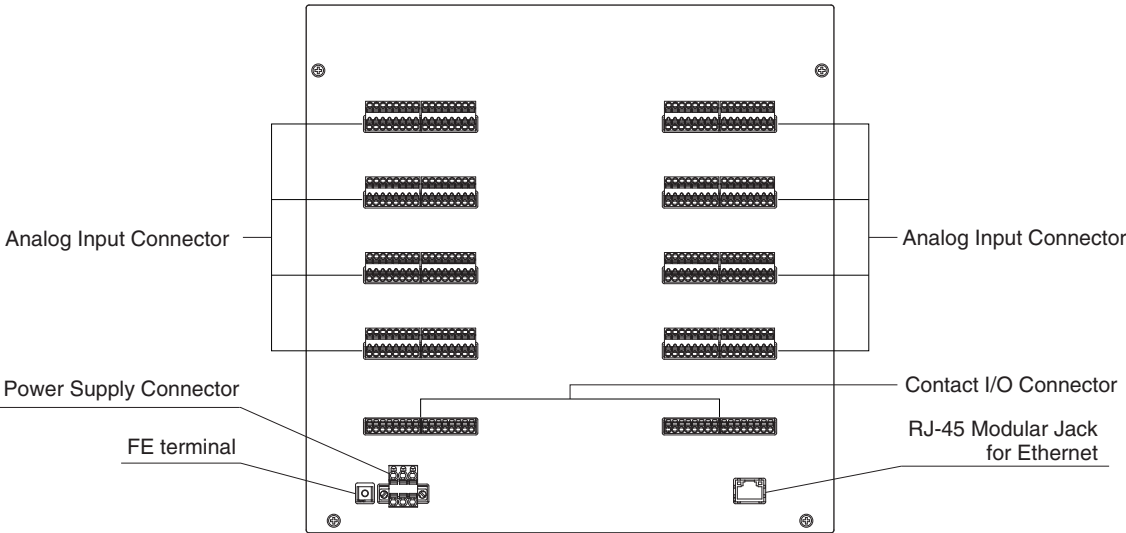


REAR VIEW

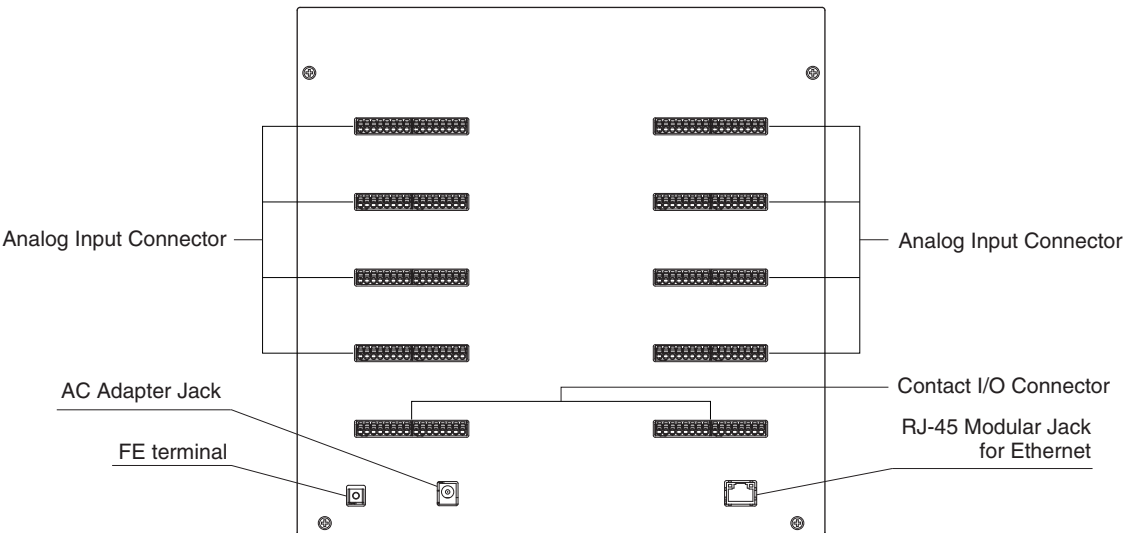
Power input code is R



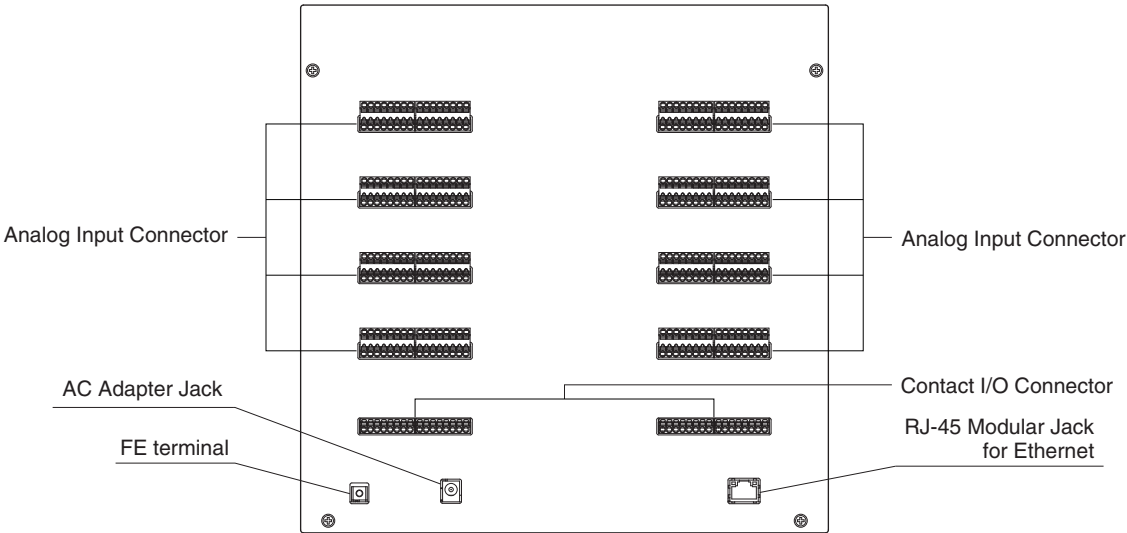
Power input code is R (current input connector)

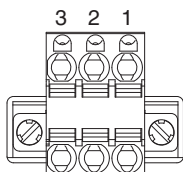


Power input code is MR2 or BR2

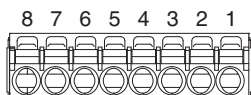


Power input code is BR2, MR2 (current input connector)



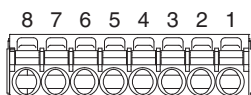
TERMINAL ASSIGNMENTS**■ POWER INPUT CONNECTOR****Device side connector:** MSTB2,5/3-GF-5,08AU (Phoenix contact)**Cable side connector:** TFKC2,5/3-STF-5,08AU (Phoenix contact)

PIN NO.	ID	FUNCTION
1	NC	No Connection
2	0V	Power supply 0 V
3	24V	Power supply 24 V

■ CONTACT OUTPUT TERMINAL ASSIGNMENT**Device side connector:** MCV1,5/8-G-3,5 (Phoenix contact)**Cable side connector:** FMC1,5/8-ST-3,5 (Phoenix contact)

PIN NO.	ID	FUNCTION
1	DO4	Photo MOSFET Output 4
2	DO4	Photo MOSFET Output 4
3	DO3	Photo MOSFET Output 3
4	DO3	Photo MOSFET Output 3
5	DO2	Photo MOSFET Output 2
6	DO2	Photo MOSFET Output 2
7	DO1	Photo MOSFET Output 1
8	DO1	Photo MOSFET Output 1

PIN NO.	ID	FUNCTION
1	DO8	Photo MOSFET Output 8
2	DO8	Photo MOSFET Output 8
3	DO7	Photo MOSFET Output 7
4	DO7	Photo MOSFET Output 7
5	DO6	Photo MOSFET Output 6
6	DO6	Photo MOSFET Output 6
7	DO5	Photo MOSFET Output 5
8	DO5	Photo MOSFET Output 5

■ CONTACT INPUT TERMINAL ASSIGNMENT**Device side connector:** MCV1,5/8-G-3,5 (Phoenix contact)**Cable side connector:** FMC1,5/8-ST-3,5 (Phoenix contact)

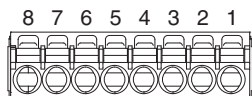
PIN NO.	ID	FUNCTION
1	COM	Common
2	DI4	Contact Input 4
3	COM	Common
4	DI3	Contact Input 3
5	COM	Common
6	DI2	Contact Input 2
7	COM	Common
8	DI1	Contact Input 1

PIN NO.	ID	FUNCTION
1	COM	Common
2	DI8	Contact Input 8
3	COM	Common
4	DI7	Contact Input 7
5	COM	Common
6	DI6	Contact Input 6
7	COM	Common
8	DI5	Contact Input 5

ANALOG INPUT TERMINAL ASSIGNMENT

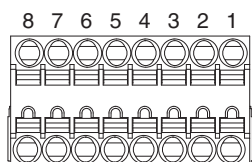
Device side connector: MCV1,5/8-G-3,5 (Phoenix contact)

Cable side connector: FMC1,5/8-ST-3,5 (Phoenix contact)



Current input connector:

Cable side connector: TFM1,5/8-ST-3,5 (Phoenix contact)



PIN NO.	ID	FUNCTION
1	AI4-	Input 4-
2	AI4+	Input 4+
3	AI3-	Input 3-
4	AI3+	Input 3+
5	AI2-	Input 2-
6	AI2+	Input 2+
7	AI1-	Input 1-
8	AI1+	Input 1+

PIN NO.	ID	FUNCTION
1	AI8-	Input 8-
2	AI8+	Input 8+
3	AI7-	Input 7-
4	AI7+	Input 7+
5	AI6-	Input 6-
6	AI6+	Input 6+
7	AI5-	Input 5-
8	AI5+	Input 5+

PIN NO.	ID	FUNCTION
1	AI12-	Input 12-
2	AI12+	Input 12+
3	AI11-	Input 11-
4	AI11+	Input 11+
5	AI10-	Input 10-
6	AI10+	Input 10+
7	AI9-	Input 9-
8	AI9+	Input 9+

PIN NO.	ID	FUNCTION
1	AI16-	Input 16-
2	AI16+	Input 16+
3	AI15-	Input 15-
4	AI15+	Input 15+
5	AI14-	Input 14-
6	AI14+	Input 14+
7	AI13-	Input 13-
8	AI13+	Input 13+

PIN NO.	ID	FUNCTION
1	AI20-	Input 20-
2	AI20+	Input 20+
3	AI19-	Input 19-
4	AI19+	Input 19+
5	AI18-	Input 18-
6	AI18+	Input 18+
7	AI17-	Input 17-
8	AI17+	Input 17+

PIN NO.	ID	FUNCTION
1	AI24-	Input 24-
2	AI24+	Input 24+
3	AI23-	Input 23-
4	AI23+	Input 23+
5	AI22-	Input 22-
6	AI22+	Input 22+
7	AI21-	Input 21-
8	AI21+	Input 21+

PIN NO.	ID	FUNCTION
1	AI28-	Input 28-
2	AI28+	Input 28+
3	AI27-	Input 27-
4	AI27+	Input 27+
5	AI26-	Input 26-
6	AI26+	Input 26+
7	AI25-	Input 25-
8	AI25+	Input 25+

PIN NO.	ID	FUNCTION
1	AI32-	Input 32-
2	AI32+	Input 32+
3	AI31-	Input 31-
4	AI31+	Input 31+
5	AI30-	Input 30-
6	AI30+	Input 30+
7	AI29-	Input 29-
8	AI29+	Input 29+

PIN NO.	ID	FUNCTION
1	AI36-	Input 36-
2	AI36+	Input 36+
3	AI35-	Input 35-
4	AI35+	Input 35+
5	AI34-	Input 34-
6	AI34+	Input 34+
7	AI33-	Input 33-
8	AI33+	Input 33+

PIN NO.	ID	FUNCTION
1	AI40-	Input 40-
2	AI40+	Input 40+
3	AI39-	Input 39-
4	AI39+	Input 39+
5	AI38-	Input 38-
6	AI38+	Input 38+
7	AI37-	Input 37-
8	AI37+	Input 37+

PIN NO.	ID	FUNCTION
1	AI44-	Input 44-
2	AI44+	Input 44+
3	AI43-	Input 43-
4	AI43+	Input 43+
5	AI42-	Input 42-
6	AI42+	Input 42+
7	AI41-	Input 41-
8	AI41+	Input 41+

PIN NO.	ID	FUNCTION
1	AI48-	Input 48-
2	AI48+	Input 48+
3	AI47-	Input 47-
4	AI47+	Input 47+
5	AI46-	Input 46-
6	AI46+	Input 46+
7	AI45-	Input 45-
8	AI45+	Input 45+

PIN NO.	ID	FUNCTION
1	AI52-	Input 52-
2	AI52+	Input 52+
3	AI51-	Input 51-
4	AI51+	Input 51+
5	AI50-	Input 50-
6	AI50+	Input 50+
7	AI49-	Input 49-
8	AI49+	Input 49+

PIN NO.	ID	FUNCTION
1	AI56-	Input 56-
2	AI56+	Input 56+
3	AI55-	Input 55-
4	AI55+	Input 55+
5	AI54-	Input 54-
6	AI54+	Input 54+
7	AI53-	Input 53-
8	AI53+	Input 53+

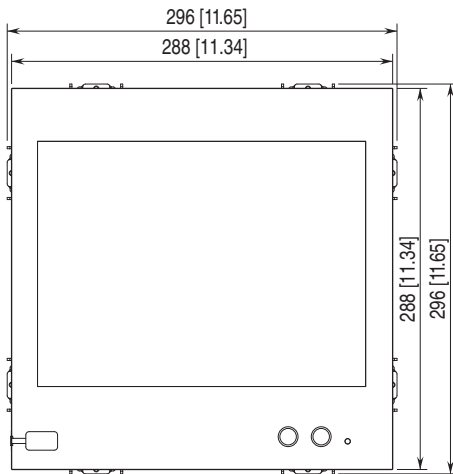
PIN NO.	ID	FUNCTION
1	AI60-	Input 60-
2	AI60+	Input 60+
3	AI59-	Input 59-
4	AI59+	Input 59+
5	AI58-	Input 58-
6	AI58+	Input 58+
7	AI57-	Input 57-
8	AI57+	Input 57+

PIN NO.	ID	FUNCTION
1	AI64-	Input 64-
2	AI64+	Input 64+
3	AI63-	Input 63-
4	AI63+	Input 63+
5	AI62-	Input 62-
6	AI62+	Input 62+
7	AI61-	Input 61-
8	AI61+	Input 61+

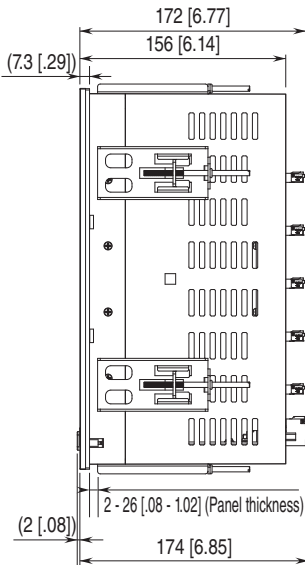
EXTERNAL DIMENSIONS unit: mm [inch]

■ **PANEL FLUSH MOUNTING**

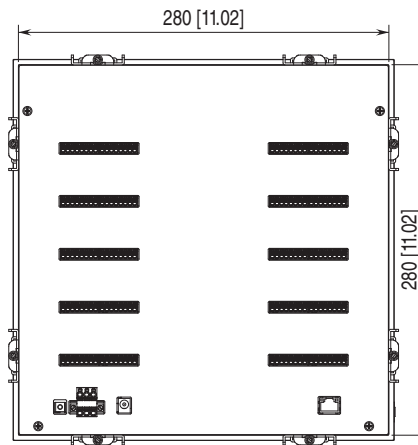
• **Front view**



• **Side view**



• **Rear view**

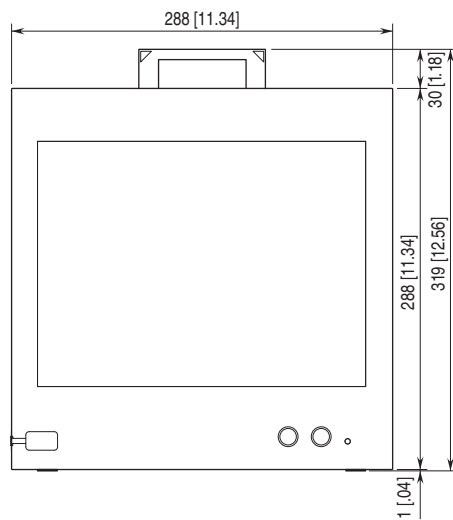


Note 1: The shape of rear connectors and other components differs according to the code number.

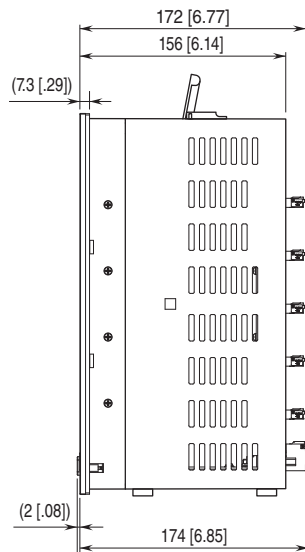
Note 2: The mounting brackets can be installed at 2 locations each on the top, bottom, left, and right, totaling 8 locations.

■ **DESKTOP TYPE**

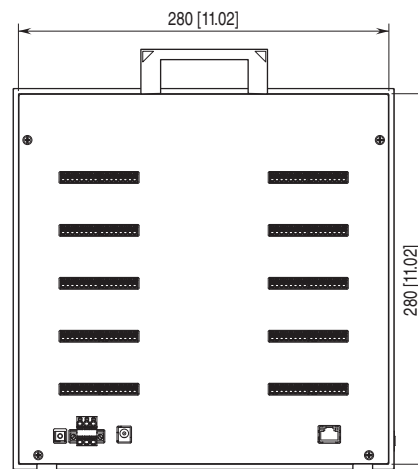
• **Front view**



• **Side view**



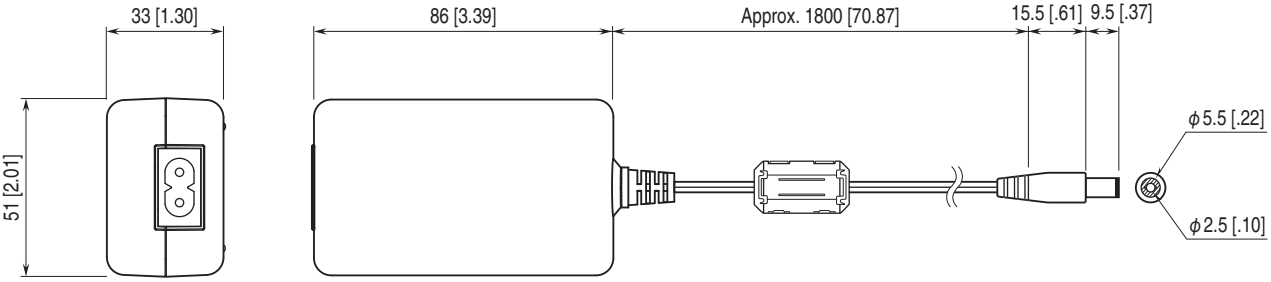
• **Rear view**



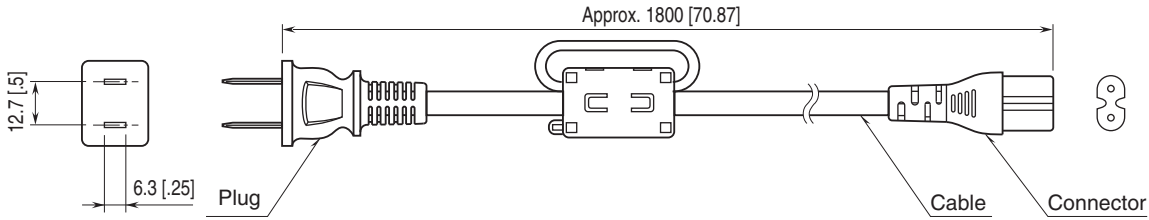
Note 1: The shape of rear connectors and other components differs according to the code number.

Note 2: The handle and rubber feet cannot be detached.

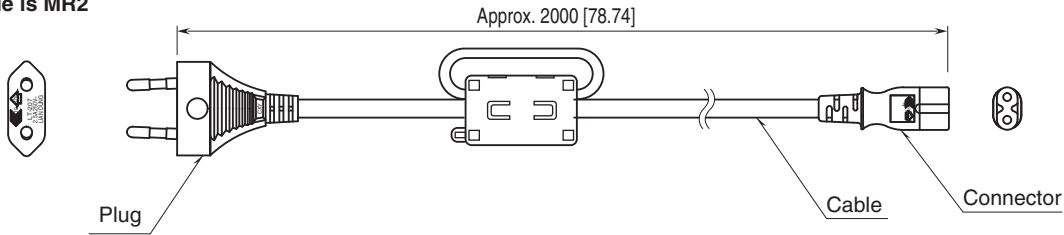
■ AC adapter
• Device



• Cable
Power input code is BR2



Power input code is MR2



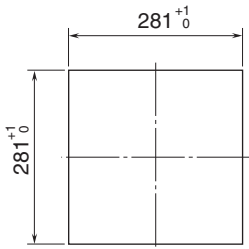
PANEL CUTOUT unit: mm

■ ADAPTABLE PANEL

Panel thickness: 2 - 26 mm [0.08" - 1.02"]

Material: Steel

• SINGLE MOUNTING



Panel thickness: 2 - 26 mm [0.08" - 1.02"]

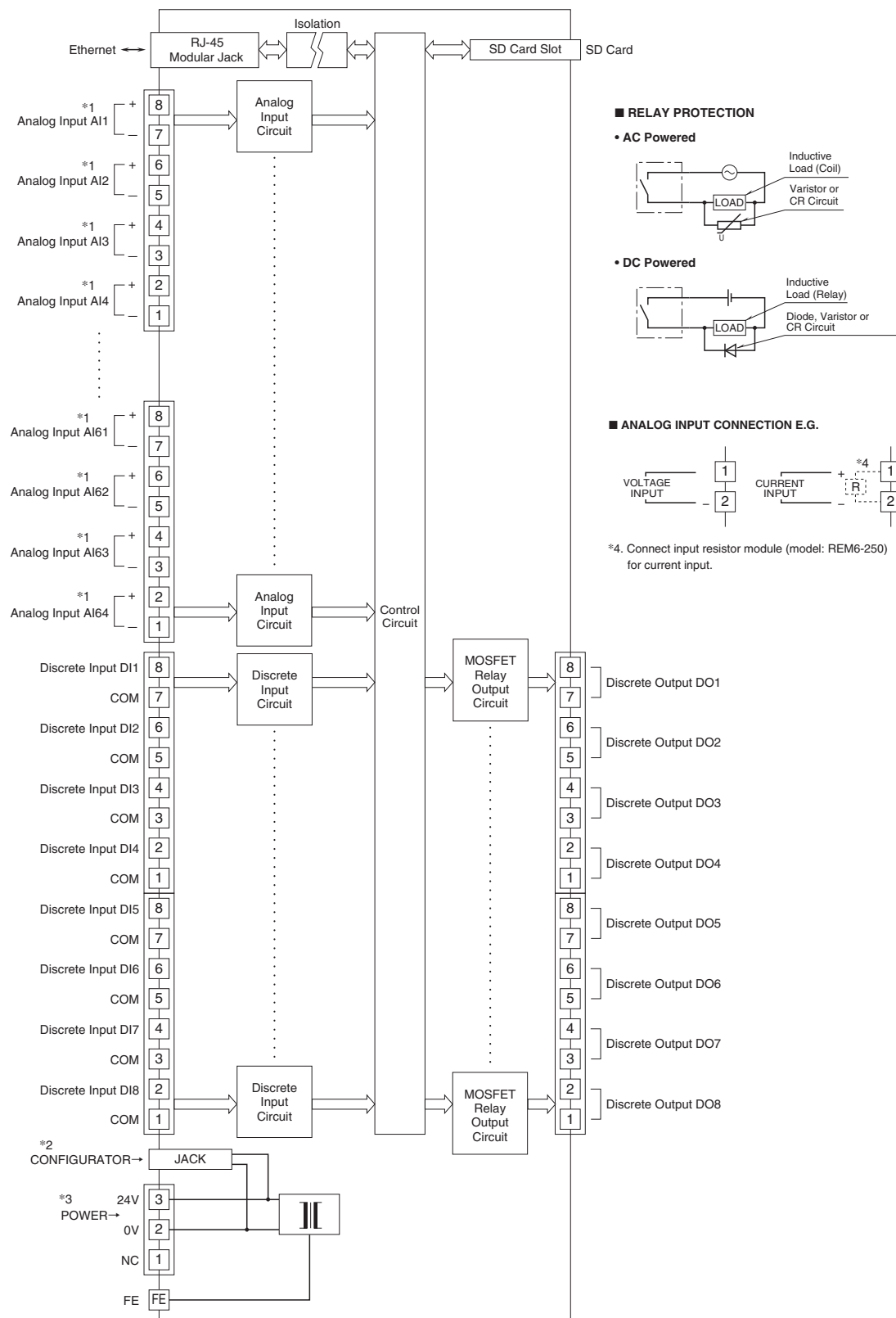
Note 1: Desktop type cannot be mounted on a panel surface.

Note 2: High-density mounting is not possible.

SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM

Note: In order to improve EMC performance, bond the FE terminal to ground.

Caution: FE terminal is NOT a protective conductor terminal.



*1. When analog input connector code is "I/C", it is possible to convert current input to voltage and measure it by connecting input resistor module (model: REM6-250).

*2. Not included when the power input is R.

*3. Not included when the power input is MR2 or BR2.

INPUT/OUTPUT FUNCTION

Selectable I/O signals among built-in I/O and remote I/O.

- Analog input (AI): max. 96 points
- Discrete input (DI): max. 32 points
- Discrete output (DO): max. 32 points
- Operational input (OI): max. 32 points

SCREEN DISPLAY**■ Trend view**

Direction: Horizontal

Number of display points: 4/8 per view

Number of display views: 12/24

Maximum number of samples: 896

■ Bargraph view

Direction: Vertical

Number of display points: 4/8 per view

Number of display views: 12/24

■ Overview

Number of display points: 32/64/96/192 per view

Displayed content: Name, comment, value, unit

Number of display views: 1/2/3/6

■ Digital view

Number of display points: 8 per view

Displayed content: Name (full), value, unit, bargraph

Number of display views: 24

■ Log view

Number of displayed events: 12 per page (display the latest 48 events)

Number of display views: 3 (event log, system log, communication log)

■ Graphic panel view

Displayed content: Background image, text, value, bargraph and setting value

Number of display views: 4

Number of items: 96 items from value, bargraph and setting value

Background text: 32 items

Background image: bmp (1024 x 728)

■ Maintenance view

Used to perform setting and maintenance.

■ Screen saver

Back light can be turned off if there is no operation for a certain period of time.

■ Auto view switching

Views can be switched automatically if there is no operation for a certain period of time.

TREND DATA STORING

Trend data, event data and comment data are recorded in memory blocks and then transferred to the SD card at the specified time intervals.

Recording method is selectable from normal recording or trigger recording.

■ Number of memory blocks

64 blocks

■ Recording method

• **Normal recording:** Recording continuously until recording is manually stopped.

• **Trigger recording (edge):** Recording up to 1200 samples of data before and after the trigger condition is met, respectively.

• **Trigger recording (level):** Recording data before, during, and after the trigger condition is met.

■ Sampling rate

- 100 ms

■ Storing rate

- 100 ms, 500 ms, 1 sec., 2 sec., 5 sec., 10 sec., 1 min., 2 min., 5 min., 10 min., 30 min., 1 hour

■ Trend data

• **Number of channels:** Max. 96 (select from AI, DI, DO, OI)

• **Number of events:** Max. 50000
sample × number of channels (per memory block)

■ Event data

• **Event:** Zone transition for AI and OI, change of DI status

• **Recorded content:** Time, event

• **Number of events:** 3000 (per memory block)

■ Comment data

• **Maximum number of input characters:** 32

• **Recorded content:** Time, comment

• **Number of events:** 1000 (per memory block)

■ SD card writing timing

STORING RATE	SD CARD WRITING TIMING
100 msec.	10 min., 30 min., 1 hour
500 msec.	30 min., 1 hour, 6 hours
1 sec.	1 hour, 6 hours, 12 hours
2 sec.	1 hour, 6 hours, 12 hours, 1 day
5 sec.	6 hours, 12 hours, 1 day
10 sec.	6 hours, 12 hours, 1 day
1 min.	1 day, 1 week
2 min.	1 day, 1 week
5 min.	1 day, 1 week, 1 month
10 min.	1 day, 1 week, 1 month
30 min.	1 day, 1 week, 1 month
1 hour	1 week, 1 month

Defining no specification of interval (50 000 points) is available for all storing rate.

■ Data format

Dedicated format (binary, extension "TRD") or CSV format (UTF-8/SJIS).

■ Data file name

Files are named YYYYMMDDhhmmss of the first sampling date.
e.g.)

MELSEC iQ-F series

MELSEC Q series

■ Max. number of connectable devices (Number of servers)

12 connections (selectable from Modbus/TCP or SLMP)

Establishing connections for number of slaves connected.

Note) The number of connectable devices may depend on the specifications of each device.

■ Modbus/TCP server

2 connections

I/O data can be monitored by remote SCADA.

ALARM OUTPUT

DO designated as alarm contact output can be turned ON at event occurrence.

■ Event

- Zone output of AI, DI, OI
- Communication failure in e-mail reporting, FTP client, Modbus/TCP and SLMP

EVENT REPORTING E-MAIL

E-mail reporting function is available at event occurrence or at the specified time.

Encrypted communication is supported. (SMTP over SSL)

- **Number of e-mail recipients:** 16
- **Number of event reporting messages:** 32
- **Number of regular reporting messages:** 32
- **Channel status:** AI, DI, OI, DO data status can be included in a mail.

FTP CLIENT

Files stored in the SD card can be uploaded to an FTP server.

- Supports FTPS (Explicit mode)

FTP SERVER

Reading and deleting files in the SD card by an FTP client is available.

Simultaneous connection: 1

Operation verified FTP client: FFFTP

TIMEKEEPING

■ SNTP client

- The recorder's internal time can be adjusted automatically.
- Time adjustment is performed when the power is turned on and at the specified time.

OTHER FUNCTIONS

■ Maintenance

The dedicated configurator software (model: VR288CFG) is used to configure the device.

■ Setting file

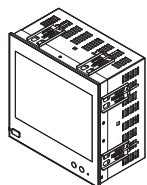
It is possible to save the settings of the device and network to an SD card as a configuration file (vr288cfg.json) and a network configuration file (vr288net.json).

It is possible to configure the device by reading the configuration file in the SD card.

SYSTEM CONFIGURATION EXAMPLES

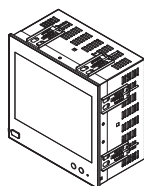
■ STAND-ALONE

- When the device is used alone

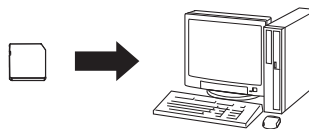


Paperless Recorder
(model: VR288E-G64)

- When reading data from micro SD card



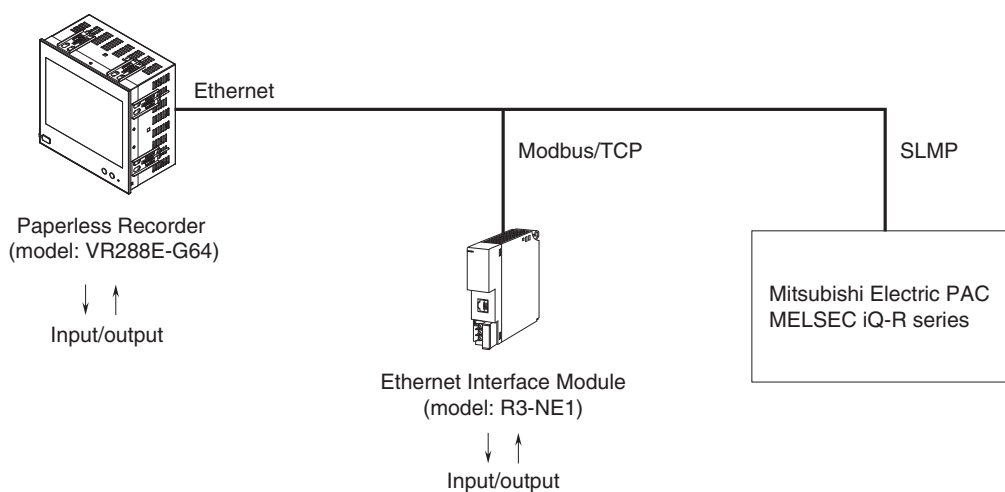
Paperless Recorder
(model: VR288E-G64)



SD card

PC
Viewer software
(model: TRViewer)

■ R3 series I/O module and Mitsubishi Electric PAC are used (LAN)



Specifications are subject to change without notice.