

# REMOTE GRAPHIC PANEL

(with HDMI output)

MODEL **RGP30**

## BEFORE USE ....

Thank you for choosing us. Before use, please check contents of the package you received as outlined below.

If you have any problems or questions with the product, please contact our sales office or representatives.

This product is for use in general industrial environments, therefore may not be suitable for applications which require higher level of safety (e.g. safety or accident prevention systems) or of reliability (e.g. vehicle control or combustion control systems).

For safety, installation and maintenance of this product must be conducted by qualified personnel.

### ■ PACKAGE INCLUDES:

Remote Graphic Panel .....(1)

### ■ MODEL NO.

Confirm Model No. marking on the product to be exactly what you ordered.

### ■ INSTRUCTION MANUAL

This manual describes necessary points of caution for handling this product and specifically for installation, wiring, and basic maintenance of the product.

For detailed operation, refer to Users Manual (EM-8581-B) which is downloadable at our web site.

## POINTS OF CAUTION

### ■ POWER INPUT RATING & OPERATIONAL RANGE

- Locate the power input rating marked on the product and confirm its operational range as indicated below:  
24V DC rating: 24V  $\pm$ 10%, approx. 18W
- Provide back-up power supply using UPS.

### ■ GENERAL PRECAUTIONS

- Before removing the unit or mount it, turn off the power supply for safety.
- Before removing the terminal block or mount it, turn off the power for safety.

### ■ ENVIRONMENT

- Indoor use.
- Do not install the unit where heavy dust or metal particles are present in the air.
- Avoid a place where the unit may be subjected to continuous vibration or shock.
- Environmental temperature must be within -10 to 50°C (14 to 122°F) with relative humidity within 30 to 90% RH in order to ensure adequate life span and operation.
- Use in clean atmosphere. Do not expose the unit for a prolonged period of time to an atmosphere containing vapor of organic solvent or acidic gases, such as paint thinner, acetone, formalin or sulfurous acid gas.
- Do not expose the unit to direct sunlight.

### ■ WIRING

- Do not install cables close to noise sources (relay drive cable, high frequency line, etc.).
- Do not bind these cables together with those in which noises are present. Do not install them in the same duct.

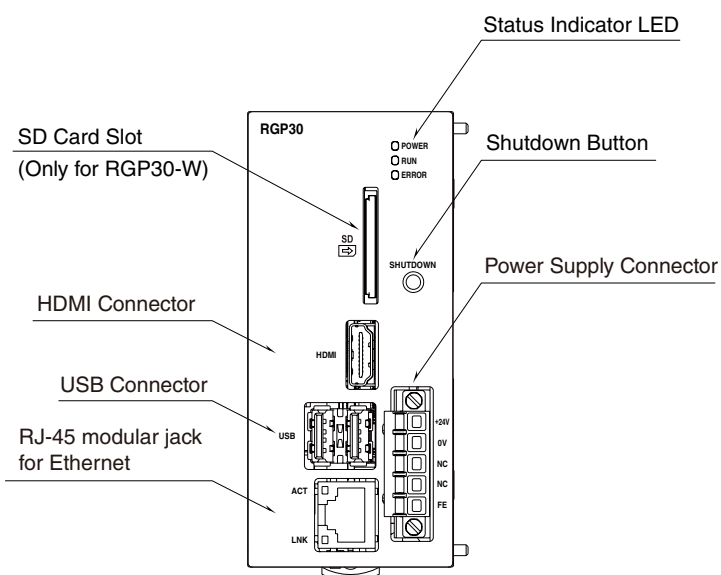
### ■ AND ....

- The unit is designed to function as soon as power is supplied, however, a warm up for 10 minutes is required for satisfying complete performance described in the data sheet.

The terms HDMI, HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.

## COMPONENT IDENTIFICATION

### ■ FRONT PANEL



### ■ STATUS INDICATOR LED

LED	COLOR	FUNCTION
POWER	Green	ON when power is on OFF when power is off
RUN	Green	ON before shutdown OFF after shutdown
ERROR	Red	Blinks three times at start-up OFF at normal operation Blinking in error

### ■ ETHERNET INDICATOR LED

LED	COLOR	FUNCTION
ACT	Amber	ON during communication
LNK	Green	ON when link is established

### ■ SHUTDOWN BUTTON

Never fail to shutdown the RGP30 unit when removing the power supply.

- 1) Hold down Shutdown button for 3 seconds to start shutdown process.
- 2) Confirm that the RUN LED turns OFF as shutdown is complete before removing the power supply.

### ■ TERMINAL ASSIGNMENT

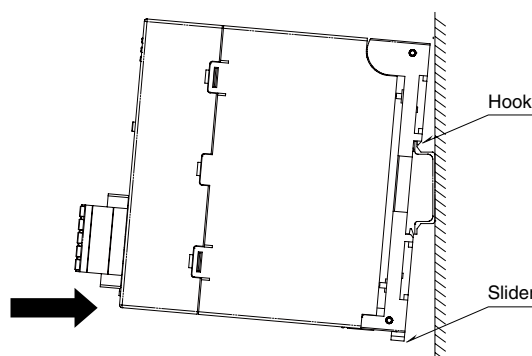


NO.	ID	FUNCTION
1	24V	Power supply (24 V DC)
2	0V	Power supply (0 V DC)
3	NC	Not used
4	NC	Not used
5	FE	Functional earth

## INSTALLATION

### ■ INSTALLATION

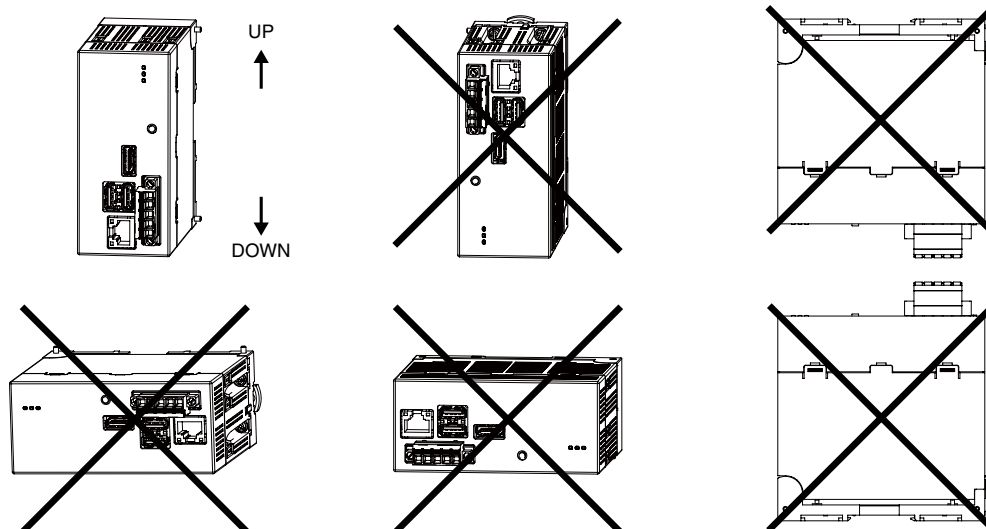
- 1) Set the unit such that its slider is at the bottom.
- 2) Hook the upper hook at the rear side of the unit onto the DIN rail.
- 3) Push the lower part of the unit in the direction of the arrow.
- 4) Push up the slider so that the unit is fixed.
- 5) When removing the unit, push down the slider with a tool such as a flat-blade screwdriver and pull the lower part of the unit.



### ■ MOUNTING DIRECTION

The unit must be mounted in an upright position as shown below.

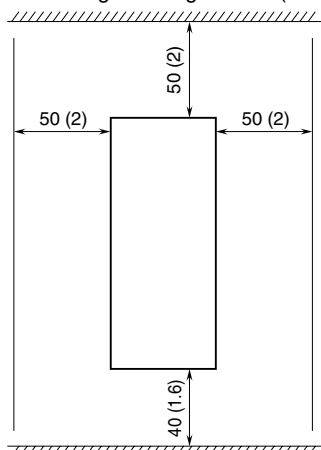
Mounting the unit in other orientations may cause the internal temperature to rise, resulting in shorter product life and/or deteriorated performance.



### ■ MOUNTING INSIDE CONTROL PANEL unit: mm (inch)

- Secure sufficient ventilation space.
- Do not mount the unit right above devices which radiate great heat such as heaters, transformers, or resistors.
- Provide adequate maintenance space above and below the unit.

Panel ceiling or wiring conduit (clearance of  $\leq 50$  mm or 2 in.)

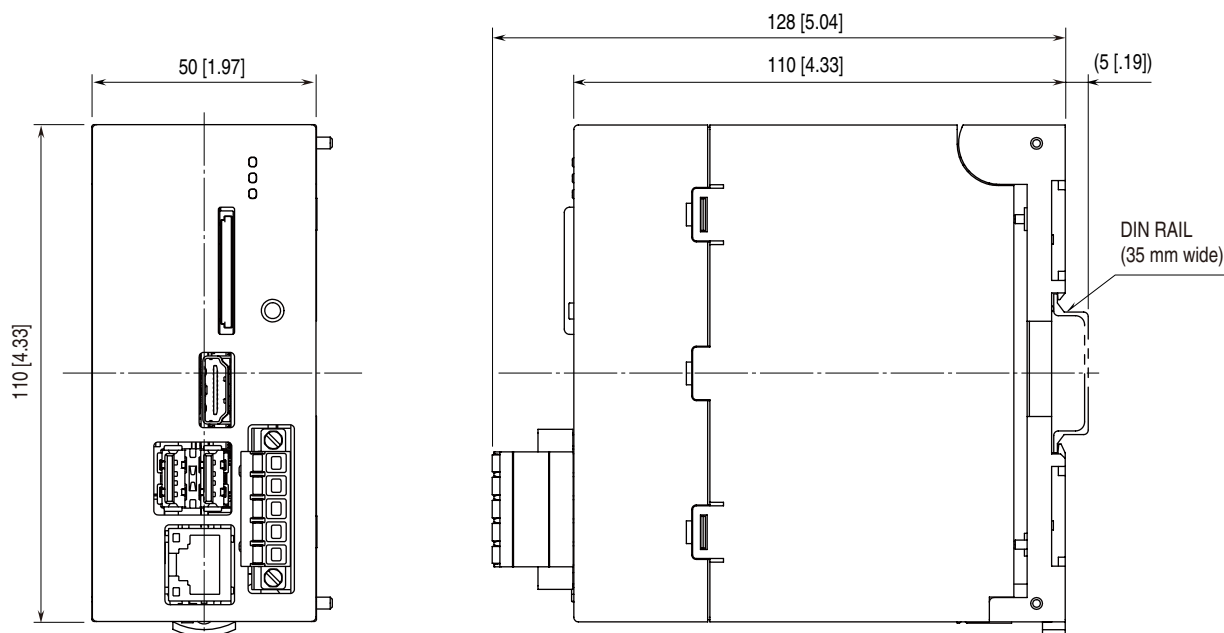


Panel bottom or wiring conduit (clearance of  $\leq 50$  mm or 2 in.)

## TERMINAL CONNECTIONS

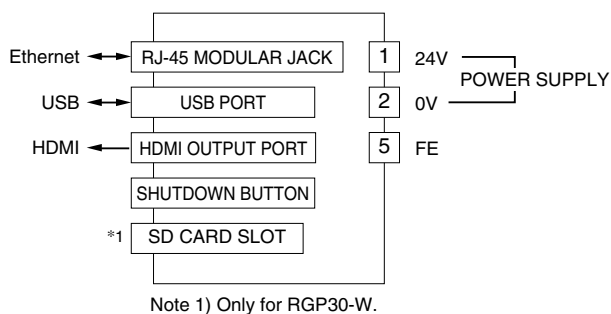
Connect the unit as in the diagram below.

### EXTERNAL DIMENSIONS unit: mm (inch)



### CONNECTION DIAGRAM

Caution: FE terminal is NOT a protective conductor terminal.



## WIRING INSTRUCTIONS

### APPLICABLE CONNECTOR

FKCN2,5 / 5-STF-5,08 (Phoenix Contact) (comes with the unit)

### APPLICABLE WIRE

Applicable wire size: 0.2 – 2.5 mm<sup>2</sup>

Stripped length: 10 mm

Recommended solderless terminal

- AI0,25-10YE 0.25 mm<sup>2</sup> (Phoenix Contact)
- AI0,34-10TQ 0.34 mm<sup>2</sup> (Phoenix Contact)
- AI0,5-10WH 0.5 mm<sup>2</sup> (Phoenix Contact)
- AI0,75-10GY 0.75 mm<sup>2</sup> (Phoenix Contact)
- AI1-10RD 1.0 mm<sup>2</sup> (Phoenix Contact)
- AI1,5-10BK 1.5 mm<sup>2</sup> (Phoenix Contact)
- AI2, 5-10BU 2.5 mm<sup>2</sup> (Phoenix Contact)