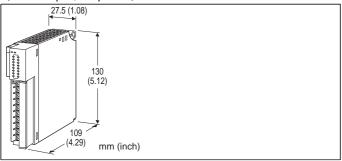
MODFI: R3-DC16B

Remote I/O R3 Series

DISCRETE OUTPUT MODULE

(triac output, 16 points)



MODEL: R3-DC16B[1][2]

ORDERING INFORMATION

• Code number: R3-DC16B[1][2]

Specify a code from below for each [1] and [2].

(e.g. R3-DC16BW/Q)

· Specify the specification for option code /Q

(e.g. /C01)

NO. OF CHANNELS

16: 16

OUTPUT

B: Triac

[1] COMMUNICATION MODE

S: Single W: Dual

[2] OPTIONS

Other Options

blank: none

/Q: Option other than the above (specify the specification)

SPECIFICATIONS OF OPTION: Q

COATING (For the detail, refer to M-System's web site.)

/C01: Silicone coating /C02: Polyurethane coating /C03: Rubber coating

CAUTION

The output triac may burn out if the load is shortcircuited during operation. Install a fuse at each output terminal.

GENERAL SPECIFICATIONS

Connection

Internal bus: Via the Installation Base (model: R3-BSx) **Output**: M3 separable screw terminal (torque 0.5 N·m) Internal power: Via the Installation Base (model: R3-BSx)

Screw terminal: Nickel-plated steel

Isolation: Output to internal bus or internal power

Output hold function: Setting for communication error with

side DIP SW

RUN indicator: Bi-color (red/green) LED; Red when the bus A operates normally; Green when the bus B operates normally; Amber when both buses operate normally.

ERR indicator: Green LED; turns on in normal operating

conditions.

Output status indicator: Red LED; turns on with the output

ON.

OUTPUT SPECIFICATIONS

Output: Triac, 16 points **Isolation**: Optical isolator

Common: All 16 points (2 terminals) Common current: Max. 3.2 A per common Rated load voltage: 100 - 240 V AC Operational load voltage: 85 - 264 V AC Maximum load current: 0.4 A per point

Maximum rush current: 6 A for 1 cycle or less time

Maximum leak current at OFF: ≤ 1.5 mA

(200 V AC, 60 Hz)

Maximum voltage drop at ON: ≤ 1.6 V RMS

Other features: Zero-cross function, CR absorber, no fuse

provided

INSTALLATION

Operating temperature: -10 to +55°C (14 to 131°F) Operating humidity: 30 to 90 %RH (non-condensing)

Atmosphere: No corrosive gas or heavy dust **Mounting**: Installation Base (model: R3-BSx)

Weight: 200 g (0.44 lb)

PERFORMANCE

Data allocation: 1

Current consumption: Approx. 140 mA

Response time: \leq 2 msec. + 1/2 cycle of excitation load

Insulation resistance: $\geq 100 \text{ M}\Omega$ with 500 V DC Dielectric strength: 2000 V AC @ 1 minute (output to internal bus or internal power)

2000 V AC @ 1 minute (power input to FG; isolated on the

power supply module)



幸託有限公司

TEL: (02)2598-1199 E-mail: info@xintop.com

FAX: (02)2596-2331 Website: www.xintop.com

MODEL: R3-DC16B

FUNCTIONS

■OUTPUT HOLD or OUTPUT OFF

In normal conditions, the module outputs the signal from the preferred bus A.

When an error is detected, the output is switched to the data from the bus B.

Output Hold

If both are in error, the module holds the signal and stands by until one of the communications recovers.

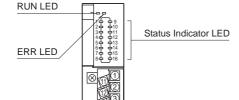
Output OFF

If both are in error, the module outputs OFF signals and stands by until one of the communications recovers. At the startup, it outputs OFF until the communication is established and normal data is received.

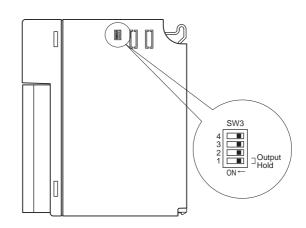
EXTERNAL VIEW

■FRONT VIEW

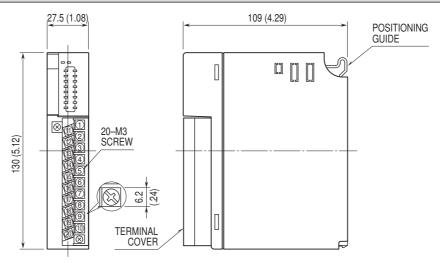




■SIDE VIEW



EXTERNAL DIMENSIONS & TERMINAL ASSIGNMENTS unit: mm (inch)



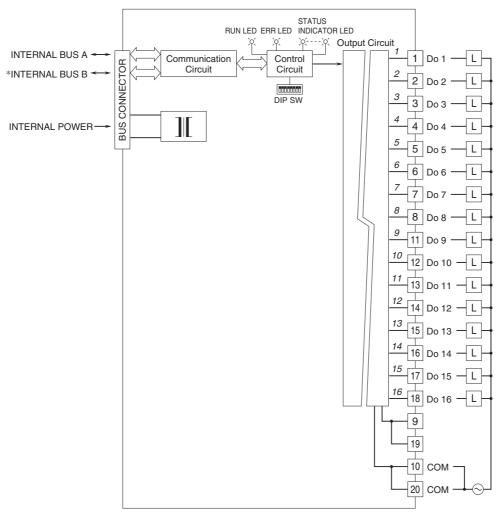
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MODEL: R3-DC16B

SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM



Numbers in italic indicate LED No.s assigned to the front panel LEDs.

*For dual redundant communication.



Specifications are subject to change without notice.

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