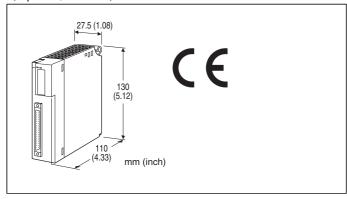
MODEL: R3Y-YS4

Remote I/O R3 Series

DC CURRENT OUTPUT MODULE

(4 points, isolated)



MODEL: R3Y-YS4[1][2]

ORDERING INFORMATION

• Code number: R3Y-YS4[1][2] Specify a code from below for each [1] and [2]. (e.g. R3Y-YS4W/H/CE/Q)

• Specify the specification for option code /Q (e.g. /SET)

NO. OF CHANNELS

4: 4

[1] COMMUNICATION MODE

S: Single **W**: Dual

[2] OPTIONS (multiple selections)

Load Resistance

blank: $\leq 300 \Omega$ /H: $\leq 600\Omega$

Standards & Approvals

blank: Without CE /CE: CE marking Other Options blank: none

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

SPECIFICATIONS OF OPTION: Q

EX-FACTORY SETTING

/SET: Preset according to the Ordering Information Sheet

(No. ESU-8370)

GENERAL SPECIFICATIONS

Connection

Internal bus: Via the Installation Base (model: R3-BSx)
Output: 40-pin connector (Fujitsu FCN-365P040-AU)
Internal supply: Via the Installation Base (model: R3-BSx)
Isolation: Output 1 to output 2 to output 3 to output 4 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**: Bi-color (red/green) LED; Red with the output abnormality; Green in normal operating conditions.

OUTPUT SPECIFICATIONS

Output range: 4 - 20 mA DC

Load resistance: 300 Ω max. (600 Ω max. with Option /H)

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

Conversion accuracy: ±0.05 %

Data range: 0 - 10000 of the output range

Data allocation: 4

Current consumption: 180 mA (260 mA with Option /H)

Temp. coefficient: ±0.015 %/°C (±0.008 %/°F)

Response time: $\leq 0.2 \text{ sec. } (0 - 90 \%)$

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

Dielectric strength: 1500 V AC @ 1 minute (output 1 to output 2 to output 3 to output 4 to internal bus or internal

power)

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

power supply module)

STANDARDS & APPROVALS

TEL: (02)2598-1199 E-mail: info@xintop.com FAX: (02)2596-2331 Website: www.xintop.com

CE conformity:

EMC Directive (2004/108/EC) EMI EN 61000-6-4: 2007 EMS EN 61000-6-2: 2005



MODEL: R3Y-YS4

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

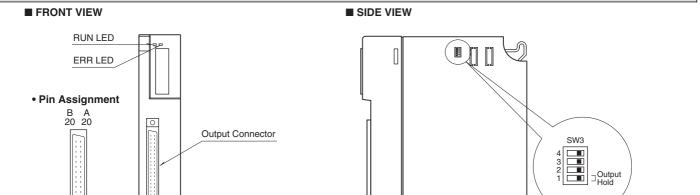
If both are in error, the module holds the signal and stands by until one of the communications recovers.

Output OFF

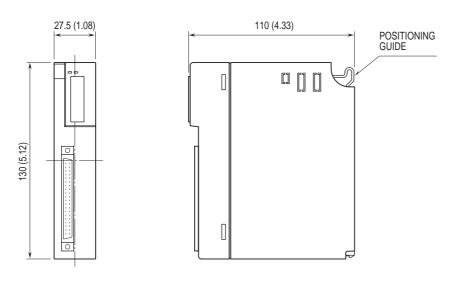
If both are in error, the module outputs -15 % and stands by until one of the communications recovers.

At the startup, it outputs -15 % until the communication is established and normal data is received.

EXTERNAL VIEW



DIMENSIONS unit: mm (inch)



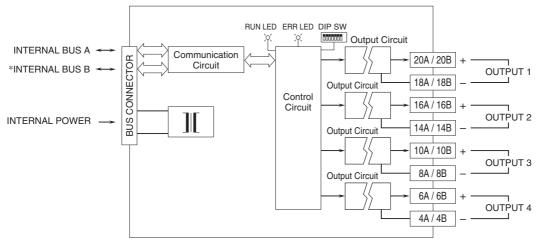


幸託有限公司

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

MODEL: R3Y-YS4

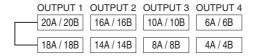
SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM



^{*}For dual redundant communication.

• Unused Output Channels

Close across the unused output terminals as shown below.



Unused channels left open are equal to the wire breakdown, which turns the red ERR LED on and sets a burnout flag at the PLC or the host device.

Unused channels can be specified and set so on the PC Configurator Software (model: R3CON) without needing to short at the field terminals.

OUTPUT CONNECTOR (40 pins)

PIN NO.	ASSIGNMENT	PIN NO.	ASSIGNMENT
1A	NC	1B	NC
2A	NC	2B	NC
3A	NC	3B	NC
4A	- OUT4	4B	- OUT4
5A	NC	5B	NC
6A	+ OUT4	6B	+ OUT4
7A	NC	7B	NC
8A	- OUT3	8B	- OUT3
9A	NC	9B	NC
10A	+ OUT3	10B	+ OUT3
11A	NC	11B	NC
12A	NC	12B	NC
13A	NC	13B	NC
14A	- OUT2	14B	- OUT2
15A	NC	15B	NC
16A	+ OUT2	16B	+ OUT2
17A	NC	17B	NC
18A	- OUT1	18B	- OUT1
19A	NC	19B	NC
20A	+ OUT1	20B	+ OUT1



Specifications are subject to change without notice.



幸託有限公司 TEL:(XIN TOP CORPORATION FAX:(

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