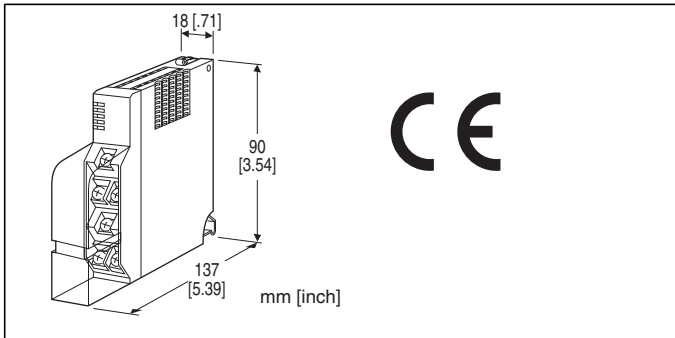


## Remote I/O R5 Series

### DISCRETE OUTPUT MODULE

(screw terminal block; relay contact output, 4 points)



### MODEL: R5T-DC4[1][2]

#### ORDERING INFORMATION

Code number: R5T-DC4[1][2]

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

(e.g. R5T-DC4W/Q)

- Specify the specification for option code /Q (e.g. /C01/S01)

#### NO. OF CHANNELS

4: 4-point outputs

#### [1] COMMUNICATION MODE

S: Single

W: Dual

#### [2] 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

TERMINAL SCREW MATERIAL

/S01: Stainless steel

#### GENERAL SPECIFICATIONS

Connection

**Internal bus:** Via the Installation Base (model: R5-BS)

**Output:** M3.5 screw terminal block (torque 0.8 N·m)

**Internal power:** Via the base (model: R5-BS)

**Screw terminal:** Nickel-plated steel (standard) or stainless

steel

**Isolation:** Do1 or Do2 to Do3 or Do4 to internal bus or internal power

**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.

**Output status indicator:** Red LED; turns on with the outputs ON.

#### OUTPUT SPECIFICATIONS

**Output:** Relay contact, 4 points

**Common:** Every 2 points

**Rated load:** 250 V AC @ 0.5 A ( $\cos \phi = 1$ )

30 V DC @ 0.5 A (resistive load)

**Maximum switching voltage:** 250 V AC or 30 V DC

**Maximum switching power:** 250 VA or 150 W

**Minimum load:** 1 V DC @ 1 mA

**Mechanical life:**  $2 \times 10^7$  cycles (rate 300/min.)

When driving an inductive load, external contact protection and noise quenching recommended.

#### 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: R5-BS)

**Weight:** 110 g (0.24 lb)

#### PERFORMANCE

**Data allocation:** 1

**Response time:**  $\leq 0.1$  sec.

**Insulation resistance:**  $\geq 100$  M $\Omega$  with 500 V DC

**Dielectric strength:** 1500 V AC @ 1 minute (Do 1 or Do 2 to Do 3 or Do 4 to internal bus or internal power)

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

## STANDARDS & APPROVALS

### EU conformity:

EMC Directive

EMI EN 61000-6-4

EMS EN 61000-6-2

Low Voltage Directive

EN 61010-1, EN 61010-2-201

Measurement Category II (output)

Pollution Degree 2

Output to internal bus or internal power - Basic insulation  
(300 V)

RoHS Directive

## FUNCTIONS

### Output hold function:

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

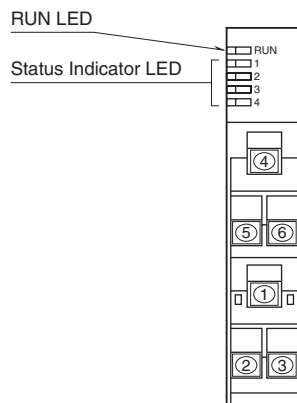
When an error is detected, the output is switched to the data from the bus B.

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

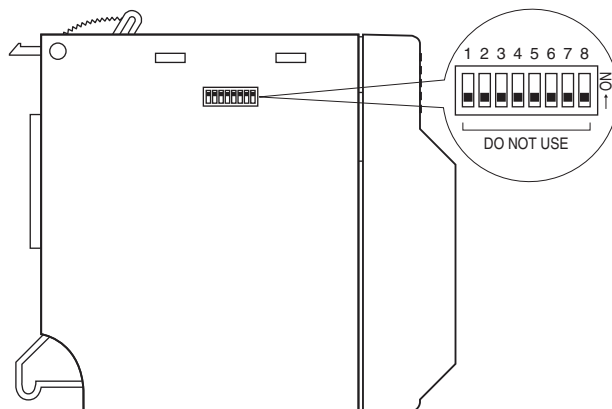
At the startup, it outputs OFF until the communication is established and normal data is received.

## EXTERNAL VIEW

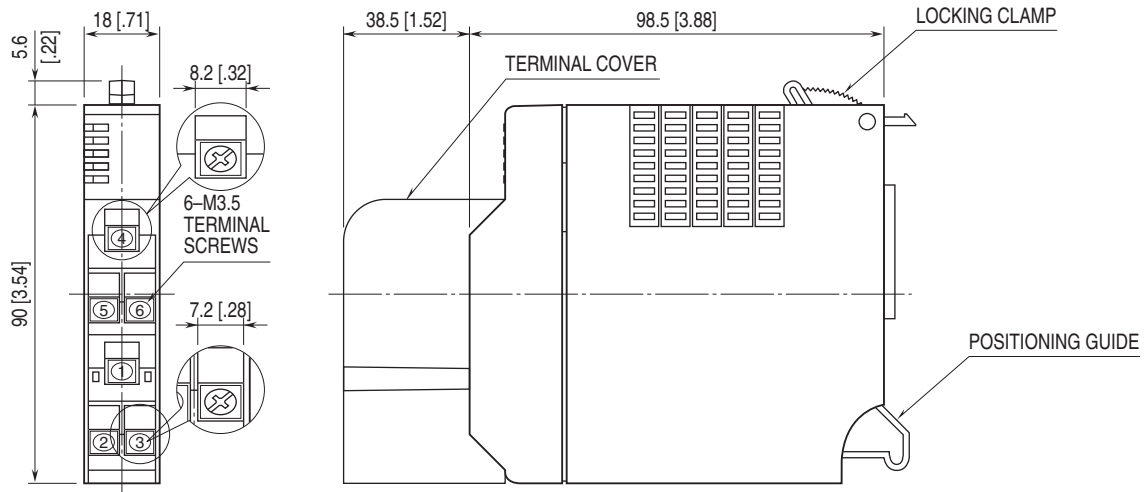
### FRONT VIEW



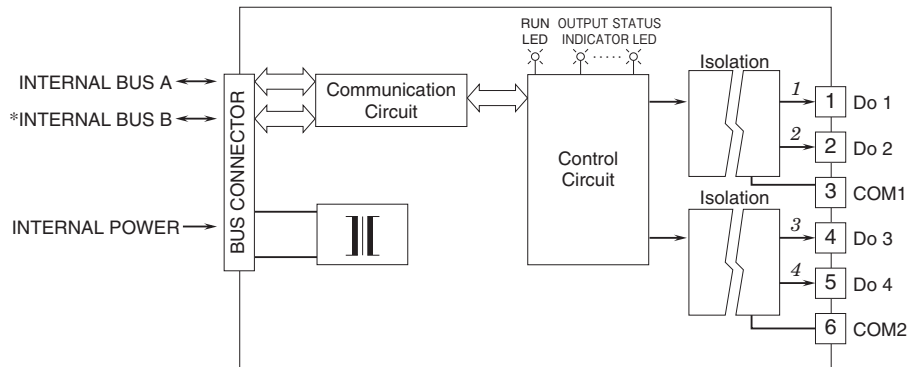
### SIDE VIEW



## EXTERNAL DIMENSIONS & TERMINAL ASSIGNMENTS unit: mm [inch]



## SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM



\*For dual redundant communication.  
 Note: Italic typed numbers correspond to the LEDs on the front panel.



Specifications are subject to change without notice.