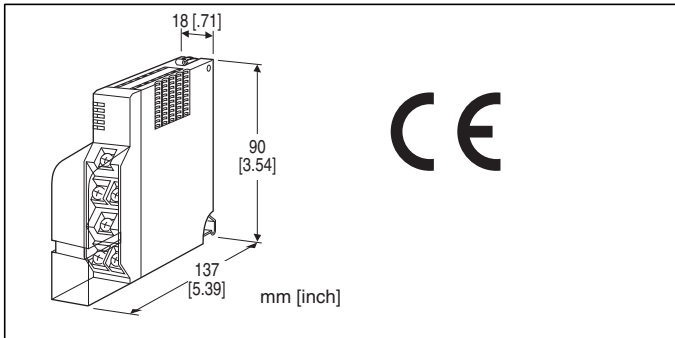


## Remote I/O R5 Series

### DISCRETE INPUT MODULE

(screw terminal block; Di 4 points)



### MODEL: R5T-DA4[1][2]

#### ORDERING INFORMATION

Code number: R5T-DA4[1][2]

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

(e.g. R5T-DA4W/A/Q)

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

#### NO. OF CHANNELS

4: 4

#### [1] COMMUNICATION MODE

S: Single

W: Dual

#### [2] OPTIONS (multiple selections)

Excitation

Blank: Internal

/A: External (24 V DC, positive common)

/B: External (24 V DC, negative common)

Other Options

blank: none

/Q: Option other than the above (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)

**Input:** 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:** Di1 or Di2 to Di3 or Di4 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.

**Input status indicator:** Red LED; turns on with the input ON.

#### INPUT SPECIFICATIONS

##### ■ Internal Excitation

**Input:** Dry contact, 4 points

**Common:** Negative, every 2 points

**Contact detecting:** Max. 24 V DC

**ON current/resistance:**  $\geq 2.5$  mA,  $\leq 1$  k $\Omega$

**OFF current/resistance:**  $\leq 1$  mA,  $\geq 10$  k $\Omega$

##### ■ External Excitation (Positive common)

**Input:** 24 V DC, 4 points (input resistance 6 k $\Omega$ )

**Common:** every 2 points

**Contact detecting:** external 24 V DC  $\pm 10$  %

**ON current/resistance:**  $\geq 2.5$  mA,  $\leq 2$  k $\Omega$

**OFF current/resistance:**  $\leq 1$  mA,  $\geq 18$  k $\Omega$

##### ■ External Excitation (Negative common)

**Input:** 24 V DC, 4 points (input resistance 6 k $\Omega$ )

**Common:** every 2 points

**Contact detecting:** external 24 V DC  $\pm 10$  %

**ON current/resistance:**  $\geq 2.5$  mA,  $\leq 2$  k $\Omega$

**OFF current/resistance:**  $\leq 1$  mA,  $\geq 18$  k $\Omega$

#### 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 (Di 1 or Di 2 to Di 3 or Di 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

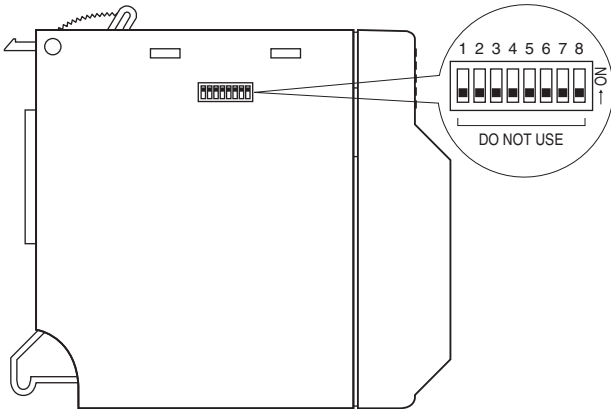
EMI EN 61000-6-4

EMS EN 61000-6-2

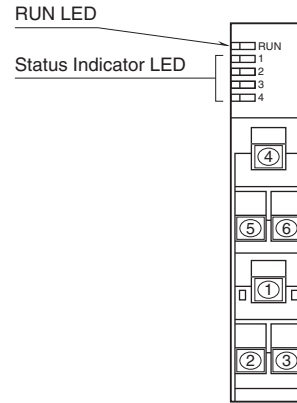
RoHS Directive

## EXTERNAL VIEW

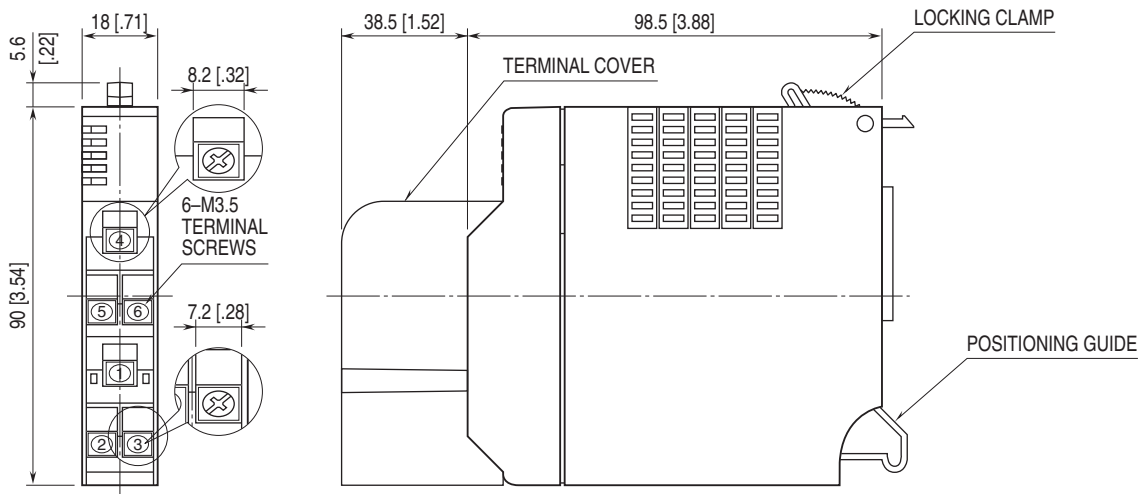
### ■ SIDE VIEW



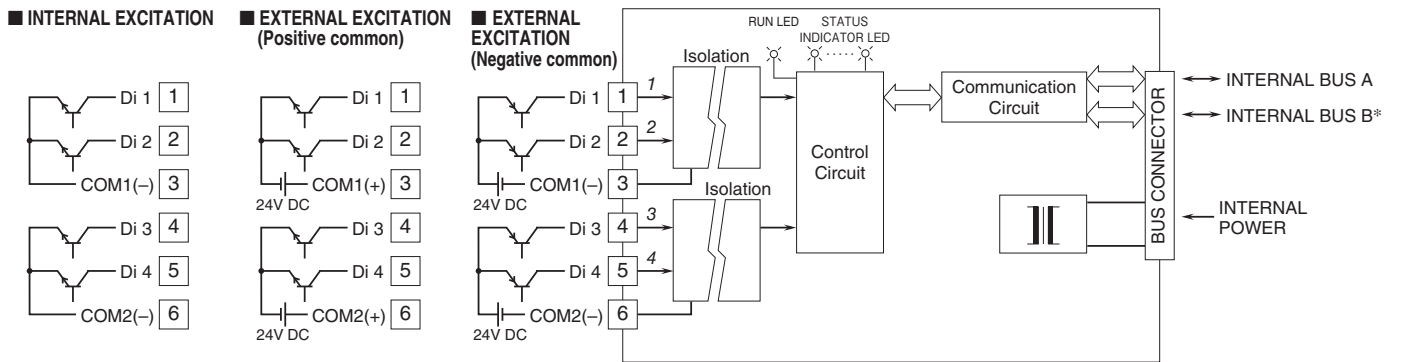
### ■ FRONT VIEW



## 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.