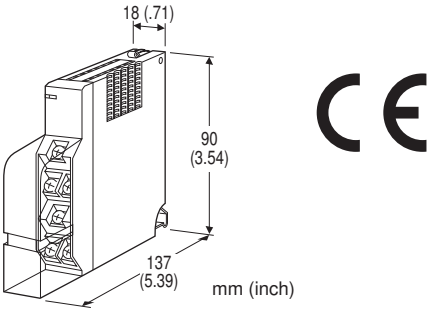
Remote I/O R5 Series

DC CURRENT INPUT MODULE

(screw terminal block)



MODEL: R5T-SS[1][2][3]

ORDERING INFORMATION

• Code number: R5T-SS[1][2][3]
Specify a code from below for each [1] through [3].
(e.g. R5T-SS2W/Q)
• Specify the specification for option code /Q
(e.g. /C01/S01)

[1] NO. OF CHANNELS

1: 1 channel
2: 2 channels

[2] COMMUNICATION MODE

S: Single
W: Dual

[3] OPTIONS

blank: none
/Q: With options (specify the specification)

SPECIFICATIONS OF OPTION: Q (multiple selections)

COATING (For the detail, refer to M-System's 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: Input 1 to input 2 to internal bus or internal power
Input range: Selectable with the 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.

INPUT SPECIFICATIONS

■ **NARROW SPAN**: -1 – +1 mA, 0 – 1 mA DC
Input resistance: 1600 Ω resistor incorporated
■ **WIDE SPAN**: -40 – +40 mA, -20 – +20 mA 0 – 40 mA, 0 – 20 mA, 4 – 20 mA DC
Input resistance: 40 Ω resistor incorporated

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

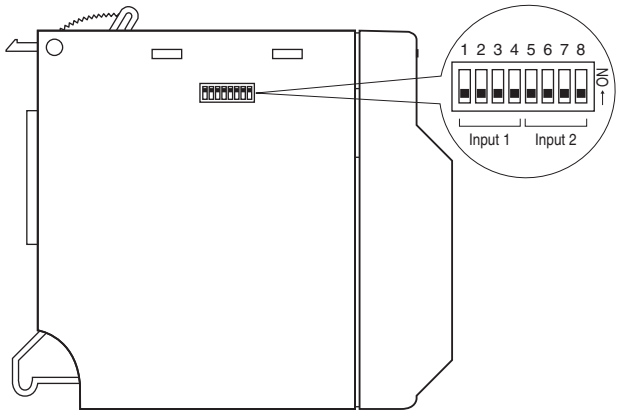
Conversion accuracy: ±0.1 %
Data range: 0 – 10000 of the input range
Data allocation: 1 (2 for 2-channel type)
Temp. coefficient: ±0.015 %/°C (±0.008 %/°F)
Response time: ≤ 0.2 sec. (0 – 90 %)
Insulation resistance: ≥ 100 MΩ with 500 V DC
Dielectric strength: 1500 V AC @ 1 minute (input 1 to input 2 to internal bus or internal power)
2000 V AC @ 1 minute (power input to FG; isolated on the power supply module)

STANDARDS & APPROVALS

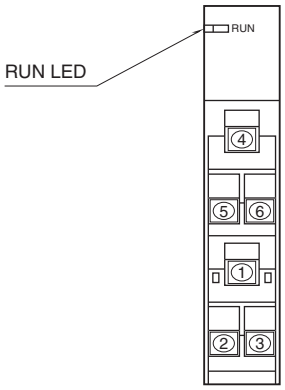
EU conformity:
EMC Directive
EMI EN 61000-6-4
EMS EN 61000-6-2
RoHS Directive
EN 50581

EXTERNAL VIEW

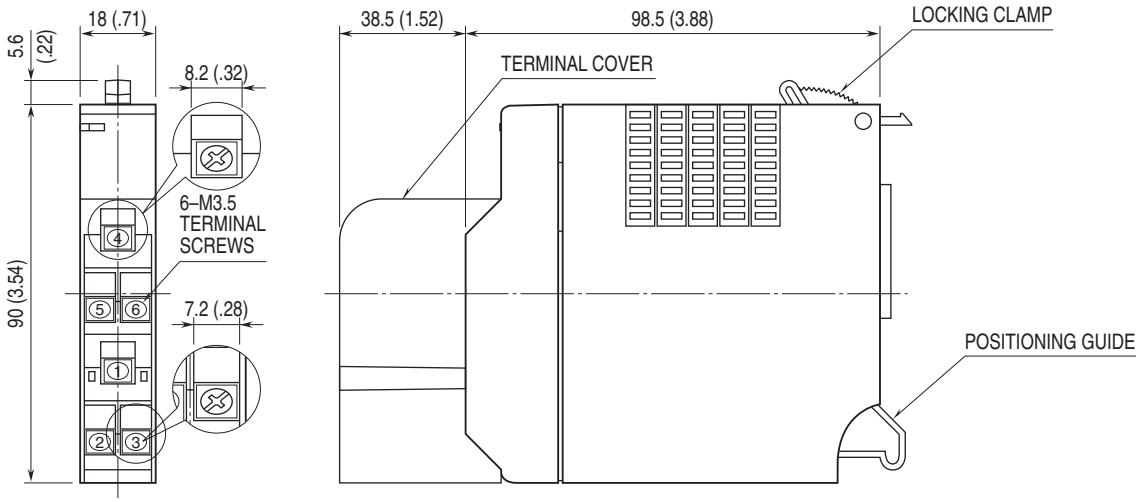
■ **SIDE VIEW**



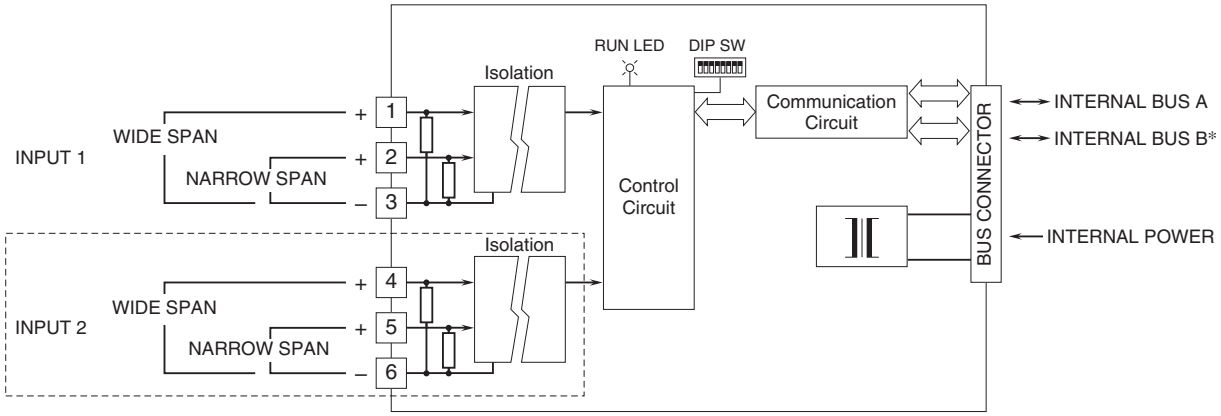
■ **FRONT VIEW**



EXTERNAL DIMENSIONS & TERMINAL ASSIGNMENTS unit: mm (inch)



SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM



*For dual redundant communication.
Note: Connect either wide or narrow span terminals for each channel.
The section enclosed by broken line is with 2-ch. option.

⚠ Specifications are subject to change without notice.