

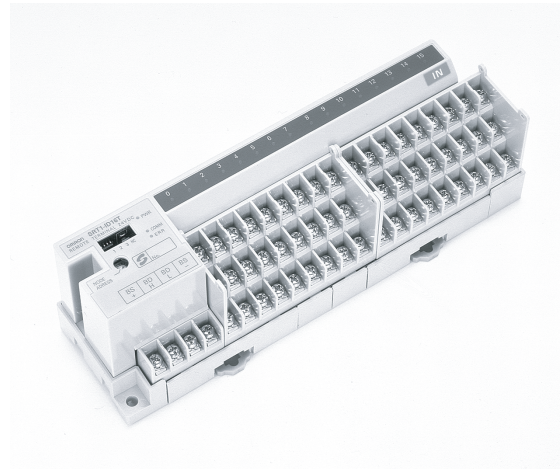
Transistor Remote I/O Terminals with 3-tier Terminal Block

SRT2-□D16T(-1)

Models with 3-tier Terminals (16 Points)
Added to the Remote I/O Terminal Series.

Six Models are Available Depending on the NPN or PNP Configuration, Input Points, I/O Points, or Output Points.

- Incorporates easy-to-wire terminals each connecting to a single wire.
- Reduces designing and wiring effort.
- Incorporates a removable circuit block of cassette construction.



Ordering Information

I/O classification	Internal I/O circuit common	I/O points	I/O connection method	Model
Digital input	NPN (+ common)	16	M3 terminal block	SRT2-ID16T
	PNP (– common)			SRT2-ID16T-1
Digital I/O	NPN (– common)			SRT2-MD16T
	PNP (+ common)			SRT2-MD16T-1
Digital output	NPN (– common)			SRT2-OD16T
	PNP (+ common)			SRT2-OD16T-1

Specifications

■ Ratings

Inputs

Input current	6 mA max./point at 24 V and 3 mA min./point at 17 V
ON delay time	1.5 ms max.
OFF delay time	1.5 ms max.
ON voltage	NPN: 15 VDC min. between V terminals and each input terminal PNP: 15 VDC min. between G terminals and each input terminal
OFF voltage	NPN: 5 VDC max. between V terminals and each input terminal PNP: 5 VDC max. between G terminals and each input terminal
OFF current	1 mA max.
Insulation method	Photocoupler

Outputs

Rated output current	0.5 A max./point
Residual voltage	1.2 V max.
ON delay time	0.5 ms max.
OFF delay time	1.0 ms max.
Leakage current	0.1 mA max.
Insulation method	Photocoupler

■ Characteristics

Communications power supply voltage	14 to 26.4 VDC
I/O power supply voltage	24 VDC $+10\%$ / -15%
I/O power supply current	4 A max./common
Current consumption (see note)	50 mA max. at 24 VDC
Connection method	Multi-drop method and T-branch method
Dielectric strength	500 VAC between insulated circuits
Noise immunity	Conforms to IEC61000-4-4, 2 kV (power lines)
Vibration resistance	10 to 150 Hz, 1.0-mm double amplitude or 70 m/s ²
Shock resistance	200 m/s ²
Mounting strength	No damage with 100 N pull load applied in all directions.
Terminal strength	No damage with 100 N pull load applied
Screw tightening torque	0.3 to 0.5 N • m
Ambient temperature	Operating: -10°C to 55°C Storage: -25°C to 65°C
Ambient humidity	Operating: 25% to 85% (with no condensation)
Weight	300 g max.

Note: The above current consumption is the value with all points turned ON excluding the current consumption of the external sensor connected to the input Remote Terminal and the current consumption of the load connected to the output Remote Terminal.

Nomenclature

ERR Indicator: Indicates communications errors.

COMM Indicator: ON while the Unit is in data communication.

Power Indicator

HOLD/CLR DIP Switch

The DIP switch is on the left-hand side under the cover on the upper part of the Remote I/O Terminal.

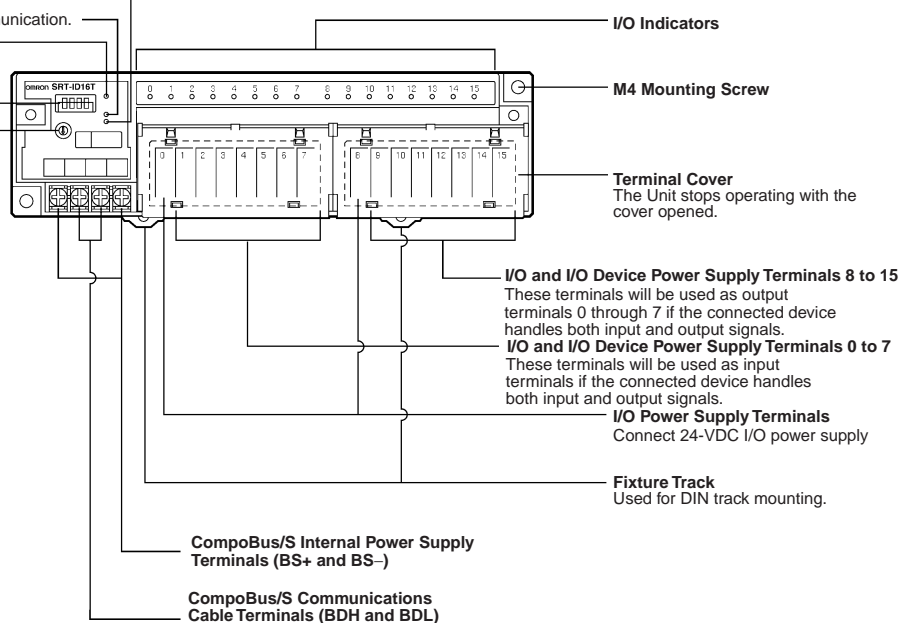


Holding or clearing output when a communications error occurs.

Address Setting Switch



Set the rotary switch to the node address by referring to the following table.



Address Setting Switch

Node address	Setting (Hex)
1	1
2	2
3	3
4	4
5	5
6	6
7	7

Node address	Setting (Hex)
8	8
9	9
10	A
11	B
12	C
13	D
14	E
15	F

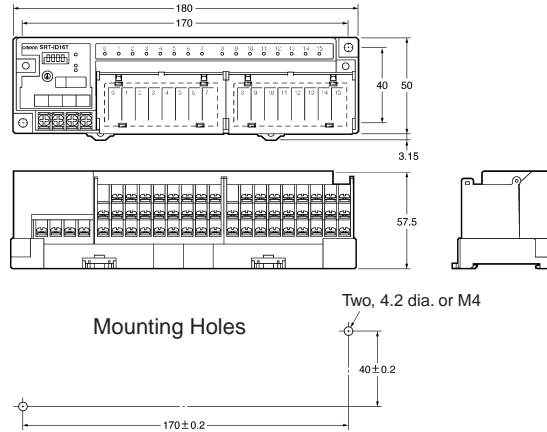
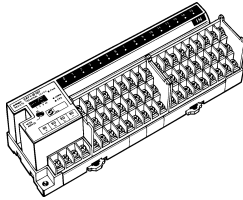
Unit Descriptions

Transistor Remote I/O Terminals with 3-tier Terminal Block
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Dimensions

Note: All units are in millimeters unless otherwise indicated.

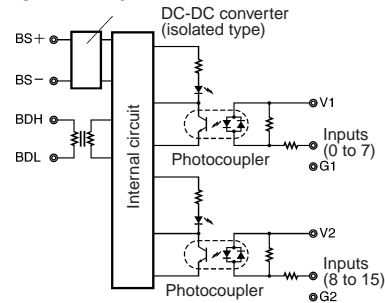
SRT2-ID16T (-1)
SRT2-MD16T (-1)
SRT2-OD16T (-1)



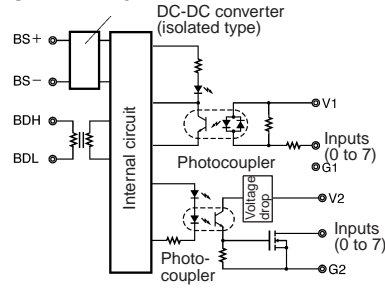
Installation

Internal Circuit Configuration

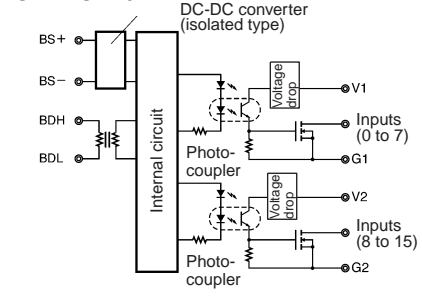
SRT2-ID16T



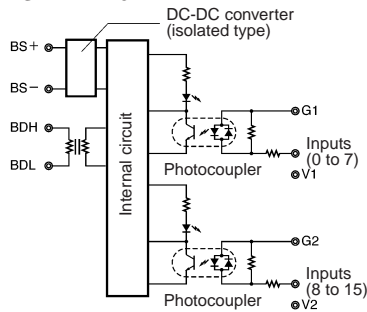
SRT2-MD16T



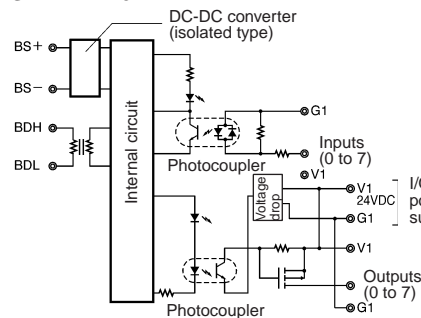
SRT2-OD16T



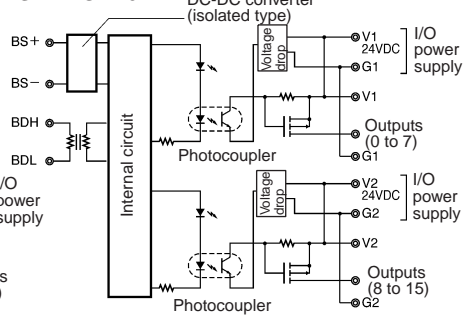
SRT2-ID16T-1



SRT2-MD16T-1



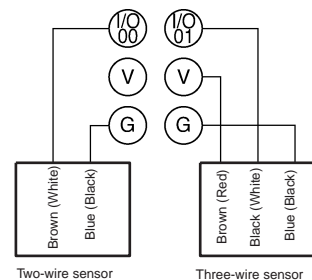
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External Connections

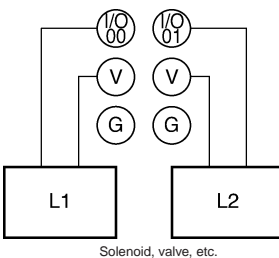
Input (NPN Models)

SRT2-ID16T
SRT2-MD16T



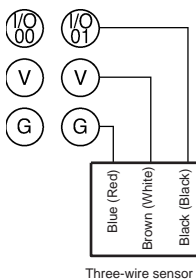
Output (NPN Models)

SRT2-OD16T
SRT2-MD16T



Input (PNP Models)

SRT2-ID16T-1
SRT2-MD16T-1



Output (PNP Models)

SRT2-OD16T-1
SRT2-MD16T-1

