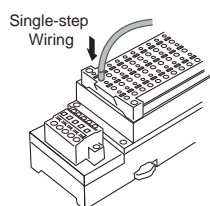


Screw-less Clamp Terminals with Transistors

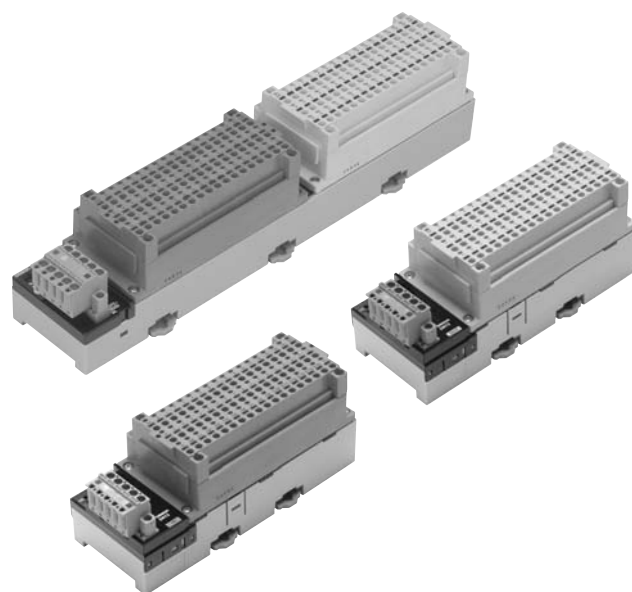
DRT2-□D16SL(H)(-1)/□D32SLH(-1)

Reduced Wiring and Labor on Factory Sites with Screw-less Terminal Wiring

- Screw-less structure eliminates tightening work.
- Detachable terminal blocks for easier maintenance.
- Single-step wiring by simply inserting pole terminals.



- Applicable wire sizes range from AWG24 to AWG16 (0.2 to 1.25 mm² dia.)



Smart Slave Functions

- | | | | |
|---|---|--|--|
| Operation time monitor | Contact operation counter | Unit conduction time monitor | Total ON time monitor |
| Unit comments | Connected device comments | Network power supply voltage monitor | I/O power supply monitor function |
| Communications error log function | Input filter (input or I/O only) | Power-ON inrush current protection (input or I/O only) | |
| Sensor power supply short-circuit detection (input or I/O only) | Disconnected sensor detection (input or I/O only) | External load short-circuit detection (output only) | Disconnection detection (output or I/O only) |
| Removable terminal block | Communications speed auto-detection | No need to wire Unit power supply | Last maintenance date |

Ordering Information

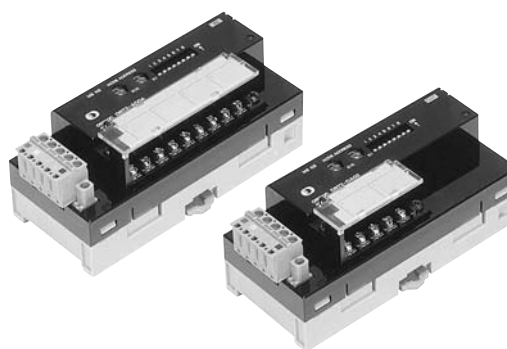
Short/disconnection detection	Specifications			I/O connections	Rated internal circuit power supply voltage	Rated I/O power supply voltage	Model					
Supported	Inputs	NPN (+ common)	16 points	Clamp terminals	Supplied from communications connector.	24 VDC	DRT2-ID16SLH					
		PNP (- common)					DRT2-ID16SLH-1					
	Outputs	NPN (- common)					DRT2-OD16SLH					
		PNP (+ common)					DRT2-OD16SLH-1					
Not supported	Inputs	NPN (+ common)					32 points	Clamp terminals	Supplied from communications connector.	24 VDC	DRT2-ID16SL	
		PNP (- common)									DRT2-ID16SL-1	
	Outputs	NPN (- common)									DRT2-OD16SL	
		PNP (+ common)									DRT2-OD16SL-1	
Supported	Inputs	NPN (+ common)	32 points	Clamp terminals	Supplied from communications connector.	24 VDC					DRT2-ID32SLH	
		PNP (- common)									DRT2-ID32SLH-1	
		Outputs									NPN (- common)	DRT2-OD32SLH
											PNP (+ common)	DRT2-OD32SLH-1
	I/O	NPN (input: + common, output: - common)					16 inputs/ 16 outputs	Clamp terminals	Supplied from communications connector.	24 VDC	DRT2-MD32SLH	
		PNP (input: - common, output: + common)									DRT2-MD32SLH-1	

Analog I/O Terminals

DRT2-AD04(H)/DA02

Performs Calculations on Analog Values within the Slave Itself. Also Provides High Resolution at 1/30,000 (Full Scale) and Support for a Wide Variety of Data Sampling.

- Equipped with the standard Smart Slave functions that provide powerful preventative maintenance and troubleshooting capabilities.
- Sampling data can be analyzed internally to provide a low-cost scheduler function.
- Equipped with functions such as the scaling function, peak/bottom hold; top/valley hold; comparator function, cumulative counter, and derivative calculation function.
- Two I/O points can be allocated to any two of the following values: analog input, peak/bottom, top, valley, or rate-of-change. Values without an allocated I/O point can be read with message communications.



Smart Slave Functions

- Unit conduction time monitor
- Unit comments
- Connected device comments
- Network power supply voltage monitor
- Communications error log function
- Removable terminal block
- Automatic baud rate detection. No wiring required.
- No need to wire Unit power supply
- Scaling
- User calibration
- Last maintenance date
- Integration
- Moving averaging (inputs only)
- Peak/bottom hold
- Top/valley hold
- Rate of change calculation
- Comparator
- AD conversion points (conversion cycle) setting (inputs only)
- Error output value setting (outputs only)

Ordering Information

Classification	I/O points	Model
Analog input	4 inputs (Resolution: 6, 000)	DRT2-AD04 *1
	4 inputs (Resolution: 30, 000)	DRT2-AD04H
Analog output	2 outputs	DRT2-DA02 *1

*1. Product no longer available to order.

General Specifications

Item	Model	DRT2-AD04	DRT2-AD04H	DRT2-DA02
Communications power supply voltage		11 to 25 VDC (Supplied from the communications connector)		
Current consumption		90 mA max. (24 VDC) 150 mA max. (11V DC)	70 mA max. (24 VDC) 110 mA max. (11 VDC)	120 mA max. (24 VDC) 220 mA max. (11 VDC)
Noise immunity		Conforms to IEC61000-4-4, 2 kV (power line)		
Vibration resistance		10 to 150 Hz, 0.7-mm double amplitude		
Shock resistance		150 m/s ²		
Dielectric strength		500 VAC for 1 min between the communications circuit and analog circuit (1 mA sensing current)		
Ambient operating temperature		-10°C to 55°C (with no icing or condensation)		
Ambient operating humidity		25% to 85%		
Ambient operating atmosphere		No corrosive gases		
Ambient storage temperature		-20°C to 65°C		
Mounting method		DIN 35 mm-track mounting		
Mounting strength		50 N 10 N (in the DIN Track direction)		
Screw tightening torque		M3 (power, I/O terminal): 0.5 N·m		
Weight		170 g max.	160 g max.	150 g max.