

SIGNAL CONVERTER

Dual channel, Pt100 to RS485 / MODBUS RTU

SCC421



Dual channel, Pt100



RS485 / MODBUS RTU



Field selectable slave ID



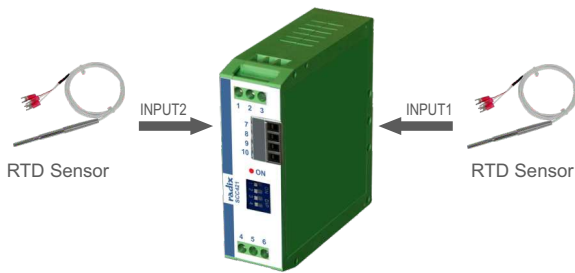
Supply : 18~42V DC

SIGNAL CONVERTER

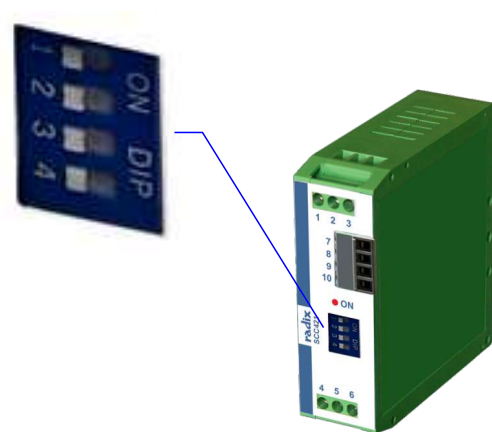
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DUAL CHANNEL Pt100 INPUT

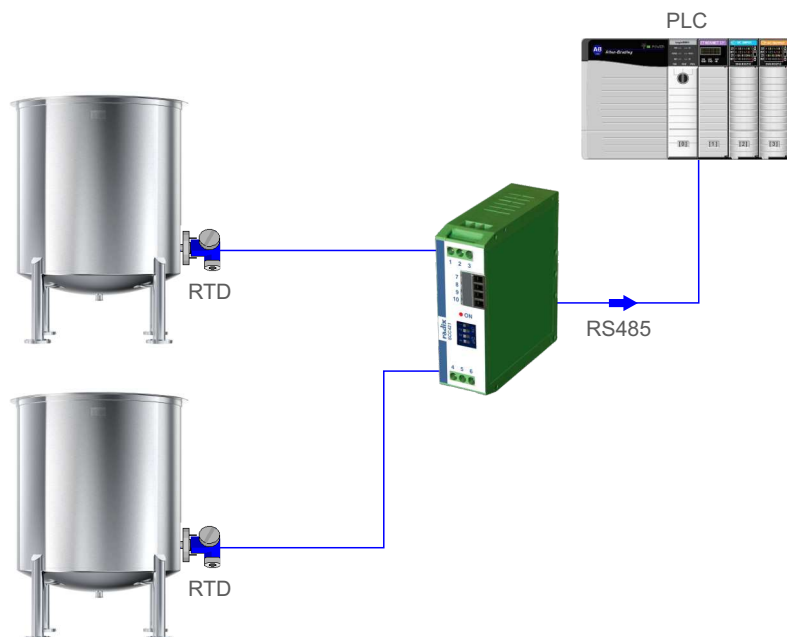


DIP SWITCH TO SELECT SLAVE ID



APPLICATIONS

In some industrial applications where it's not possible to have a PLC near the field device because of the harsh environment, remote I/O's such as SCC421 are used. SCC421 can be placed close to the field device which eliminates long lengths of multi-conductor cable. RS485 signal from SCC421 can be sent to PLC at any distance on a high-speed medium using MODBUS RTU.



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SPECIFICATIONS

All specifications at ambient of 25 °C, unless specified otherwise

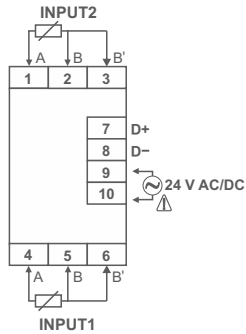
INPUT	
Number of inputs	2
Input type	RTD, 3-wire : Pt100
Input filter	None, low, high
ADC resolution	24 bit
ADC conversion time	50 ms
ACCURACY	
Input accuracy	±0.05% of FS ±0.5°C
Range	-200 ~ 600°C
Temperature effect on accuracy	± 0.02% of span per °C
CONFIGURATION & CALIBRATION	
	Through utility
COMMUNICATION	
Port	RS485
Protocol	MODBUS RTU
Slave ID	1~16 (DIP switch selectable)
Baud rate	2400, 4800, 7200, 9600, 19200, 38400, 57600 bps (User programmable)
ISOLATION	
Mutual isolation between input, supply, RS485	a) 2000 V AC RMS, 50 Hz / 1 minute b) 250 V AC RMS, 50 Hz, continuous
POWER SUPPLY	
Supply voltage	18~42V DC
ENCLOSURE	
Material	ABS plastic
Dimensions	80(H) x 25(W) x 85(D) mm See Fig 1
Mounting	Snap on for 35 mm DIN rail to DIN 46277
Connection, single/stranded	≥ 2.5 mm ² , AWG 14 wires
Weight	Approx. 200 grams
Protection	IP20
TEMPERATURE, HUMIDITY	
Ambient, operation	0 to 60 °C
Relative humidity	0 ~ 95%

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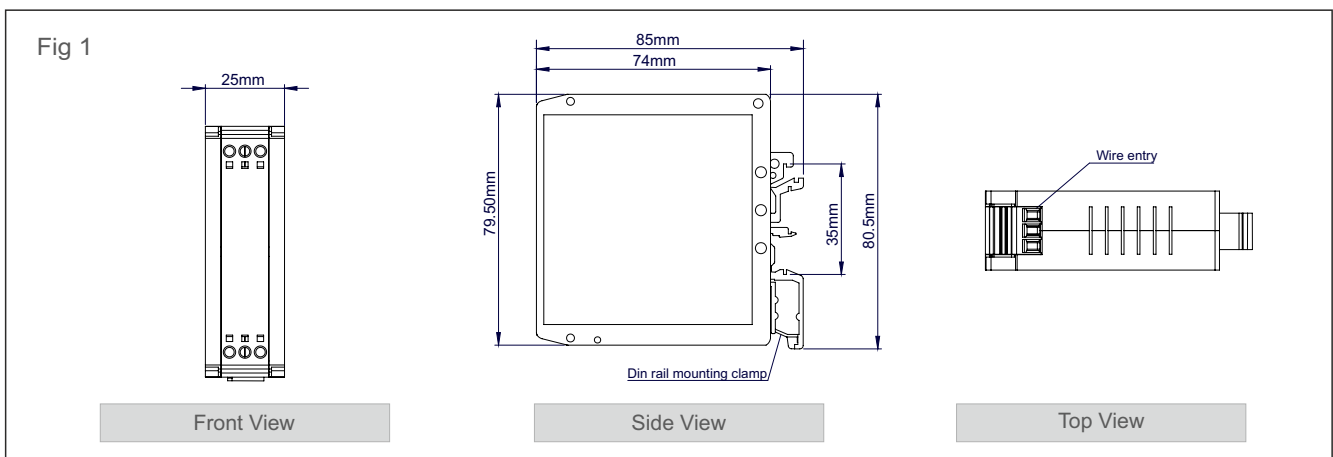
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CONNECTION DIAGRAM



DIMENSIONS mm



FEATURES SUMMARY

- Dual channel, Pt100
- RS485 / MODBUS RTU
- DIP switch to select slave ID
- Supply : 18~42V DC

ORDERING INFORMATION

Product Code	2913 2-2
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SMPS available, MOQ will apply. Contact sales.

ENQUIRIES

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