INFORMATION

SR250B 250mm Multipoint Strip Chart Recorder Custom Configuration

1 Contents

2 Introduction

ABB can supply custom configurations for the SR250B 250mm Multipoint Strip Chart Recorder on request.

Enter the required setting or place a check mark (✔) against the relevant parameters in the following tables and return this document to the Global Sales office at Stonehouse.

3 Hardware Configuration

Number of Channels (Standard Inputs)
(✔ the number required)

3		6		9		12	

Number of Channels (High Specification Inputs)
(✔ the number required)

6		12	

Memory Card Option (✔ the option required)

Yes	
No	

Module Options
(✔ the type of module required in each position)

	Position		
Type	**E**	**F**	**G**
None			
3 Relay Outputs			
6 Relay Outputs			
Transmitter Power Supply			
Modbus Serial Communications	**N/A**	**N/A**	

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4 Analog Input Configuration

Referring to Section 3.2.1 of the User Guide (IM/SR250B), enter the settings required for each of the analog inputs:

> **Note.** This section is for 1 analog input only. To submit a custom configuration for more than 1 input, copy this section for all the other required inputs, entering its number (1 to 12) in the box provided.

4.1 Analog Input ☐

Input Type (✔ the input type required)

Resistance Thermometer (RTD)	
Thermocouple (TC)	
Resistance (Ω)	
Voltage (V)	
Low Current (mA)	
Low Voltage (mV)	
Off (**Not** Analog Input 1)	

Linearizer Type (✔ the linearizer type required)

Power 5/2	
Power 3/2	
Square Root	
Pt 100	
Type N	
Type B	
Type E	
Type L	
Type J	
Type T	
Type S	
Type R	
Type K	
Linear	

Linearizer Units (✔ the units required)

Degrees F	
Degrees C	

Electrical Input Range
(enter the electrical range values required)

Decimal Places	
Electrical Low	
Electrical High	

Engineering Input Range
(enter the engineering range values required)

Decimal Places	
Engineering Low	
Engineering High	

Engineering Units (enter the engineering units required)

Channel Tag (enter the tag required)

Broken Sensor Drive (✔ the direction for the input in the event of a broken sensor)

Upscale	
None	
Downscale	

Fault Detection Level
(enter the value of the level of fault detection required)

Filter Time
(enter the time period in seconds, between 5 and 60, over which the input values are to be averaged or enter 'Off')

5 Process Alarm Configuration

Referring to Section 3.3.1 of the User Guide (IM/SR250B), enter the settings required for each of the alarms:

> **Note.** This section is for 1 alarm only. To submit a custom configuration for more than 1 alarm, copy this section for all the other required alarms, entering its letter (A to Z excluding I and O) in the box provided.

5.1 Alarm ☐

Alarm Type (✔ the alarm type required)

Off		Low Process		High Process	

Alarm Source (enter a source for the alarm)

Trip Level (enter the alarm trip point value)

Hysteresis (enter a hysteresis value in engineering units)

Time Hysteresis (enter a time hysteresis value)

6 Chart Control Configuration

Referring to Section 3.4.1 of the User Guide (IM/SR250B) enter the chart control configuration settings required.

Chart Speed 1
(enter a chart speed between 0 and 1500 mm/hr)

Chart Speed 1 Source
(enter the source to initiate a change to chart speed 1)

Chart Speed 2
(enter a chart speed between 0 and 1500 mm/hr)

Chart Speed 2 Source
(enter the source to initiate a change to chart speed 2)

Chart Speed 3
(enter a chart speed between 0 and 1500 mm/hr)

Chart Speed 3 Source
(enter the source to initiate a change to chart speed 3)

Auto Print Enable (✔ the auto print mode required)

On	
Off	

Alarm Print (✔ the alarm print setting required)

On	
Off	

Alarm and Operator Message Print Speed
(✔ the print speed required)

Fast	
Slow	

7 Output Module Configuration

7.1 3-Relay Module Configuration
Referring to Section 3.5 of the User Guide (IM/SR250B), enter the settings required for each of the relays.

Relay Output 1 Source (enter the source required)

Relay Output 1 Polarity (✔ the polarity required)

Positive		Negative	

Relay Output 2 Source (enter the source required)

Relay Output 2 Polarity (✔ the polarity required)

Positive		Negative	

Relay Output 3 Source (enter the source required)

Digital Output 3 Polarity (✔ the polarity required)

Positive		Negative	

7.2 6-Relay Module Configuration
Referring to Section 3.5 of the User Guide (IM/SR250B), enter the settings required for each of the relays.

Relay Output 1 Source (enter the source required)

Relay Output 1 Polarity (✔ the polarity required)

Positive		Negative	

Relay Output 2 Source (enter the source required)

Relay Output 2 Polarity (✔ the polarity required)

Positive		Negative	

Relay Output 3 Source (enter the source required)

Relay Output 3 Polarity (✔ the polarity required)

Positive		Negative	

Relay Output 4 Source (enter the source required)

Relay Output 4 Polarity (✔ the polarity required)

Positive		Negative	

Relay Output 5 Source (enter the source required)

Relay Output 5 Polarity (✔ the polarity required)

Positive		Negative	

Relay Output 6 Source (enter the source required)

Relay Output 6 Polarity (✔ the polarity required)

Positive		Negative	

7.3 Modbus Serial Communication Module Configuration

Referring to Section 3.1 of the Modbus Communications Option User Guide (IM/SR250-MOD), enter the settings required.

Modbus Identity (enter the identification number required from 01 to 99)

Baud Rate (✔ the baud rate required)

1200		2400	
4800		9600	

Parity (✔ the parity required)

Even	
Odd	
None	

Type (✔ the type required)

4 wire	
2 wire	

8 Operator Contents Configuration

Referring to Section 3.6.1 of the User Guide (IM/SR250B), ✔ the setting required.

User Language (✔ the user language required)

English	
German	
French	

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