

Configuration Data Sheet

00806-0100-4697, Rev AB

April 2011

Rosemount 848T Family

Rosemount 848T FOUNDATION Fieldbus Configuration Data Sheet

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BOLD = Required Value

***** = Default

Select only one of the items provided

One or more of the listed items can be selected

Customer Information	
Customer: _____	Name: _____
Phone No: _____	Fax No./Email: _____
P.O./Reference No.: _____	P.O. Line Item: _____
Quote No. _____	Model No.: _____
Customer Signoff: _____	

Tagging
Hardware Tag: _____
Software Tag: _____

Function Block Type (select one only)
<input type="radio"/> One Multiple Analog Input (MAI) Block: Allows 8 measurements to be multiplexed together in one function block on the H1 segment. Provides better network efficiency using less function blocks per device. This option does not support sensor alarms such as Hi Hi, Hi, Lo, and Lo Lo. You may have different sensor types but engineering units and scaling must be the same.
<input type="radio"/> 8 Analog Input (AI) Blocks: Allows different engineering units and scaling for each measurement. Also allows sensor alarms.

NOTE

The C1 option is required to factory configure each sensor differently. The C1 option is also required for factory configuration of process alerts and sensor tag.

Configuration Options	
<input type="checkbox"/> Enable Write Protect	Damping (0, 1.5 - 32 sec) _____

- All eight sensors configured identical to Sensor 1 (Fill out Sensor 1 only).
- Configure each sensor individually

Sensor 1	Sensor 2	Sensor 3
Tag _____	Tag _____	Tag _____
Type	Type	Type
<input type="radio"/> mV <input type="radio"/> Ohms <input type="radio"/> Pt 50, $\alpha = 391$ <input type="radio"/> Pt 100, $\alpha = 385$ <input type="radio"/> Pt 100, $\alpha = 3916$ <input type="radio"/> Pt 100, $\alpha = 391$ <input type="radio"/> Pt 200, $\alpha = 385$ <input type="radio"/> Pt 200, $\alpha = 3916$ <input type="radio"/> Pt 500, $\alpha = 385$ <input type="radio"/> Pt 1000, $\alpha = 385$ <input type="radio"/> Cu 10, Edison No. 15 <input type="radio"/> Cu 100, $\alpha = 428$ <input type="radio"/> Cu 50, $\alpha = 428$ <input type="radio"/> Cu 100, $\alpha = 426$ <input type="radio"/> Cu 50, $\alpha = 426$ <input type="radio"/> Ni 120, Edison No. 7 <input type="radio"/> Type B Thermocouple <input type="radio"/> Type C Thermocouple <input type="radio"/> Type E Thermocouple <input type="radio"/> Type J * Thermocouple	<input type="radio"/> mV <input type="radio"/> Ohms <input type="radio"/> Pt 50, $\alpha = 391$ <input type="radio"/> Pt 100, $\alpha = 385$ <input type="radio"/> Pt 100, $\alpha = 3916$ <input type="radio"/> Pt 100, $\alpha = 391$ <input type="radio"/> Pt 200, $\alpha = 385$ <input type="radio"/> Pt 200, $\alpha = 3916$ <input type="radio"/> Pt 500, $\alpha = 385$ <input type="radio"/> Pt 1000, $\alpha = 385$ <input type="radio"/> Cu 10, Edison No. 15 <input type="radio"/> Cu 100, $\alpha = 428$ <input type="radio"/> Cu 50, $\alpha = 428$ <input type="radio"/> Cu 100, $\alpha = 426$ <input type="radio"/> Cu 50, $\alpha = 426$ <input type="radio"/> Ni 120, Edison No. 7 <input type="radio"/> Type B Thermocouple <input type="radio"/> Type C Thermocouple <input type="radio"/> Type E Thermocouple <input type="radio"/> Type J * Thermocouple	<input type="radio"/> mV <input type="radio"/> Ohms <input type="radio"/> Pt 50, $\alpha = 391$ <input type="radio"/> Pt 100, $\alpha = 385$ <input type="radio"/> Pt 100, $\alpha = 3916$ <input type="radio"/> Pt 100, $\alpha = 391$ <input type="radio"/> Pt 200, $\alpha = 385$ <input type="radio"/> Pt 200, $\alpha = 3916$ <input type="radio"/> Pt 500, $\alpha = 385$ <input type="radio"/> Pt 1000, $\alpha = 385$ <input type="radio"/> Cu 10, Edison No. 15 <input type="radio"/> Cu 100, $\alpha = 428$ <input type="radio"/> Cu 50, $\alpha = 428$ <input type="radio"/> Cu 100, $\alpha = 426$ <input type="radio"/> Cu 50, $\alpha = 426$ <input type="radio"/> Ni 120, Edison No. 7 <input type="radio"/> Type B Thermocouple <input type="radio"/> Type C Thermocouple <input type="radio"/> Type E Thermocouple <input type="radio"/> Type J * Thermocouple

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Sensor 1	Sensor 2	Sensor 3
<input type="radio"/> Type K Thermocouple <input type="radio"/> Type R Thermocouple <input type="radio"/> Type N Thermocouple <input type="radio"/> Type S Thermocouple <input type="radio"/> Type T Thermocouple <input type="radio"/> Type L Thermocouple <input type="radio"/> DIN Type L Thermocouple <input type="radio"/> DIN Type U Thermocouple <input type="radio"/> ASTM W5Re/W26Re <input type="radio"/> 4 - 20 mA (NAMUR) <input type="radio"/> 4 - 20 mA (Rosemount) <input type="radio"/> None Number of Leads <input type="radio"/> 2-wire <input type="radio"/> 3-wire	<input type="radio"/> Type K Thermocouple <input type="radio"/> Type R Thermocouple <input type="radio"/> Type N Thermocouple <input type="radio"/> Type S Thermocouple <input type="radio"/> Type T Thermocouple <input type="radio"/> Type L Thermocouple <input type="radio"/> DIN Type L Thermocouple <input type="radio"/> DIN Type U Thermocouple <input type="radio"/> ASTM W5Re/W26Re <input type="radio"/> 4 - 20 mA (NAMUR) <input type="radio"/> 4 - 20 mA (Rosemount) <input type="radio"/> None Number of Leads <input type="radio"/> 2-wire <input type="radio"/> 3-wire	<input type="radio"/> Type K Thermocouple <input type="radio"/> Type R Thermocouple <input type="radio"/> Type N Thermocouple <input type="radio"/> Type S Thermocouple <input type="radio"/> Type T Thermocouple <input type="radio"/> Type L Thermocouple <input type="radio"/> DIN Type L Thermocouple <input type="radio"/> DIN Type U Thermocouple <input type="radio"/> ASTM W5Re/W26Re <input type="radio"/> 4 - 20 mA (NAMUR) <input type="radio"/> 4 - 20 mA (Rosemount) <input type="radio"/> None Number of Leads <input type="radio"/> 2-wire <input type="radio"/> 3-wire
Measurement Point (5% to 95% Sensor Range) LO _____ HI _____	Measurement Point (5% to 95% Sensor Range) LO _____ HI _____	Measurement Point (5% to 95% Sensor Range) LO _____ HI _____
Units <input type="radio"/> mV <input type="radio"/> °C★ <input type="radio"/> mA <input type="radio"/> °F <input type="radio"/> Ohms <input type="radio"/> °R <input type="radio"/> K Alarms(1)(2) HI HI Alarm _____ *(+ infinity) HI Alarm _____ *(+ infinity) LO Alarm _____ *(- infinity) LO LO Alarm _____ *(- infinity)	Units <input type="radio"/> mV <input type="radio"/> °C★ <input type="radio"/> mA <input type="radio"/> °F <input type="radio"/> Ohms <input type="radio"/> °R <input type="radio"/> K Alarms(1)(2) HI HI Alarm _____ *(+ infinity) HI Alarm _____ *(+ infinity) LO Alarm _____ *(- infinity) LO LO Alarm _____ *(- infinity)	Units <input type="radio"/> mV <input type="radio"/> °C★ <input type="radio"/> mA <input type="radio"/> °F <input type="radio"/> Ohms <input type="radio"/> °R <input type="radio"/> K Alarms(1)(2) HI HI Alarm _____ *(+ infinity) HI Alarm _____ *(+ infinity) LO Alarm _____ *(- infinity) LO LO Alarm _____ *(- infinity)

(1) Not applicable for MAI blocks.

(2) Alarms are not enabled. Alarms must be enabled when the device is commissioned by the user.

Sensor 4	Sensor 5	Sensor 6
Tag _____ Type <input type="radio"/> mV <input type="radio"/> Ohms <input type="radio"/> Pt 50, $\alpha = 391$ <input type="radio"/> Pt 100, $\alpha = 385$ <input type="radio"/> Pt 100, $\alpha = 3916$ <input type="radio"/> Pt 100, $\alpha = 391$ <input type="radio"/> Pt 200, $\alpha = 385$ <input type="radio"/> Pt 200, $\alpha = 3916$ <input type="radio"/> Pt 500, $\alpha = 385$ <input type="radio"/> Pt 1000, $\alpha = 385$ <input type="radio"/> Cu 10, Edison No. 15 <input type="radio"/> Cu 100, $\alpha = 428$ <input type="radio"/> Cu 50, $\alpha = 428$ <input type="radio"/> Cu 100, $\alpha = 426$ <input type="radio"/> Cu 50, $\alpha = 426$ <input type="radio"/> Ni 120, Edison No. 7 <input type="radio"/> Type B Thermocouple <input type="radio"/> Type C Thermocouple <input type="radio"/> Type E Thermocouple <input type="radio"/> Type J★ Thermocouple <input type="radio"/> Type K Thermocouple <input type="radio"/> Type R Thermocouple <input type="radio"/> Type N Thermocouple <input type="radio"/> Type S Thermocouple <input type="radio"/> Type T Thermocouple <input type="radio"/> Type L Thermocouple <input type="radio"/> DIN Type L Thermocouple <input type="radio"/> DIN Type U Thermocouple <input type="radio"/> ASTM W5Re/W26Re <input type="radio"/> 4 - 20 mA (NAMUR) <input type="radio"/> 4 - 20 mA (Rosemount) <input type="radio"/> None	Tag _____ Type <input type="radio"/> mV <input type="radio"/> Ohms <input type="radio"/> Pt 50, $\alpha = 391$ <input type="radio"/> Pt 100, $\alpha = 385$ <input type="radio"/> Pt 100, $\alpha = 3916$ <input type="radio"/> Pt 100, $\alpha = 391$ <input type="radio"/> Pt 200, $\alpha = 385$ <input type="radio"/> Pt 200, $\alpha = 3916$ <input type="radio"/> Pt 500, $\alpha = 385$ <input type="radio"/> Pt 1000, $\alpha = 385$ <input type="radio"/> Cu 10, Edison No. 15 <input type="radio"/> Cu 100, $\alpha = 428$ <input type="radio"/> Cu 50, $\alpha = 428$ <input type="radio"/> Cu 100, $\alpha = 426$ <input type="radio"/> Cu 50, $\alpha = 426$ <input type="radio"/> Ni 120, Edison No. 7 <input type="radio"/> Type B Thermocouple <input type="radio"/> Type C Thermocouple <input type="radio"/> Type E Thermocouple <input type="radio"/> Type J★ Thermocouple <input type="radio"/> Type K Thermocouple <input type="radio"/> Type R Thermocouple <input type="radio"/> Type N Thermocouple <input type="radio"/> Type S Thermocouple <input type="radio"/> Type T Thermocouple <input type="radio"/> Type L Thermocouple <input type="radio"/> DIN Type L Thermocouple <input type="radio"/> DIN Type U Thermocouple <input type="radio"/> ASTM W5Re/W26Re <input type="radio"/> 4 - 20 mA (NAMUR) <input type="radio"/> 4 - 20 mA (Rosemount) <input type="radio"/> None	Tag _____ Type <input type="radio"/> mV <input type="radio"/> Ohms <input type="radio"/> Pt 50, $\alpha = 391$ <input type="radio"/> Pt 100, $\alpha = 385$ <input type="radio"/> Pt 100, $\alpha = 3916$ <input type="radio"/> Pt 100, $\alpha = 391$ <input type="radio"/> Pt 200, $\alpha = 385$ <input type="radio"/> Pt 200, $\alpha = 3916$ <input type="radio"/> Pt 500, $\alpha = 385$ <input type="radio"/> Pt 1000, $\alpha = 385$ <input type="radio"/> Cu 10, Edison No. 15 <input type="radio"/> Cu 100, $\alpha = 428$ <input type="radio"/> Cu 50, $\alpha = 428$ <input type="radio"/> Cu 100, $\alpha = 426$ <input type="radio"/> Cu 50, $\alpha = 426$ <input type="radio"/> Ni 120, Edison No. 7 <input type="radio"/> Type B Thermocouple <input type="radio"/> Type C Thermocouple <input type="radio"/> Type E Thermocouple <input type="radio"/> Type J★ Thermocouple <input type="radio"/> Type K Thermocouple <input type="radio"/> Type R Thermocouple <input type="radio"/> Type N Thermocouple <input type="radio"/> Type S Thermocouple <input type="radio"/> Type T Thermocouple <input type="radio"/> Type L Thermocouple <input type="radio"/> DIN Type L Thermocouple <input type="radio"/> DIN Type U Thermocouple <input type="radio"/> ASTM W5Re/W26Re <input type="radio"/> 4 - 20 mA (NAMUR) <input type="radio"/> 4 - 20 mA (Rosemount) <input type="radio"/> None

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Sensor 4	Sensor 5	Sensor 6
Number of Leads <input type="radio"/> 2-wire <input type="radio"/> 3-wire	Number of Leads <input type="radio"/> 2-wire <input type="radio"/> 3-wire	Number of Leads <input type="radio"/> 2-wire <input type="radio"/> 3-wire
Measurement Point (5% to 95% Sensor Range) LO _____ HI _____	Measurement Point (5% to 95% Sensor Range) LO _____ HI _____	Measurement Point (5% to 95% Sensor Range) LO _____ HI _____
Units <input type="radio"/> mV <input type="radio"/> °C★ <input type="radio"/> mA <input type="radio"/> °F <input type="radio"/> Ohms <input type="radio"/> °R <input type="radio"/> K	Units <input type="radio"/> mV <input type="radio"/> °C★ <input type="radio"/> mA <input type="radio"/> °F <input type="radio"/> Ohms <input type="radio"/> °R <input type="radio"/> K	Units <input type="radio"/> mV <input type="radio"/> °C★ <input type="radio"/> mA <input type="radio"/> °F <input type="radio"/> Ohms <input type="radio"/> °R <input type="radio"/> K
Alarms(1)(2) HI HI Alarm _____ *(+ infinity) HI Alarm _____ *(+ infinity) LO Alarm _____ *(- infinity) LO LO Alarm _____ *(- infinity)	Alarms (1)(2) HI HI Alarm _____ *(+ infinity) HI Alarm _____ *(+ infinity) LO Alarm _____ *(- infinity) LO LO Alarm _____ *(- infinity)	Alarms(1)(2) HI HI Alarm _____ *(+ infinity) HI Alarm _____ *(+ infinity) LO Alarm _____ *(- infinity) LO LO Alarm _____ *(- infinity)

(1) Not applicable for MAI blocks.

(2) Alarms are not enabled. Alarms must be enabled when the device is commissioned by the user.

Sensor 7	Sensor 8
Tag _____ Type <input type="radio"/> mV <input type="radio"/> Ohms <input type="radio"/> Pt 50, α = 391 <input type="radio"/> Pt 100, α = 385 <input type="radio"/> Pt 100, α = 3916 <input type="radio"/> Pt 100, α = 391 <input type="radio"/> Pt 200, α = 385 <input type="radio"/> Pt 200, α = 3916 <input type="radio"/> Pt 500, α = 385 <input type="radio"/> Pt 1000, α = 385 <input type="radio"/> Cu 10, Edison No. 15 <input type="radio"/> Cu 100, α = 428 <input type="radio"/> Cu 50, α = 428 <input type="radio"/> Cu 100, α = 426 <input type="radio"/> Cu 50, α = 426 <input type="radio"/> Ni 120, Edison No. 7 <input type="radio"/> Type B Thermocouple <input type="radio"/> Type C Thermocouple <input type="radio"/> Type E Thermocouple <input type="radio"/> Type J★ Thermocouple <input type="radio"/> Type K Thermocouple <input type="radio"/> Type R Thermocouple <input type="radio"/> Type N Thermocouple <input type="radio"/> Type S Thermocouple <input type="radio"/> Type T Thermocouple <input type="radio"/> Type L Thermocouple <input type="radio"/> DIN Type L Thermocouple <input type="radio"/> DIN Type U Thermocouple <input type="radio"/> ASTM W5Re/W26Re <input type="radio"/> 4 - 20 mA (NAMUR) <input type="radio"/> 4 - 20 mA (Rosemount) <input type="radio"/> None	Tag _____ Type <input type="radio"/> mV <input type="radio"/> Ohms <input type="radio"/> Pt 50, α = 391 <input type="radio"/> Pt 100, α = 385 <input type="radio"/> Pt 100, α = 3916 <input type="radio"/> Pt 100, α = 391 <input type="radio"/> Pt 200, α = 385 <input type="radio"/> Pt 200, α = 3916 <input type="radio"/> Pt 500, α = 385 <input type="radio"/> Pt 1000, α = 385 <input type="radio"/> Cu 10, Edison No. 15 <input type="radio"/> Cu 100, α = 428 <input type="radio"/> Cu 50, α = 428 <input type="radio"/> Cu 100, α = 426 <input type="radio"/> Cu 50, α = 426 <input type="radio"/> Ni 120, Edison No. 7 <input type="radio"/> Type B Thermocouple <input type="radio"/> Type C Thermocouple <input type="radio"/> Type E Thermocouple <input type="radio"/> Type J★ Thermocouple <input type="radio"/> Type K Thermocouple <input type="radio"/> Type R Thermocouple <input type="radio"/> Type N Thermocouple <input type="radio"/> Type S Thermocouple <input type="radio"/> Type T Thermocouple <input type="radio"/> Type L Thermocouple <input type="radio"/> DIN Type L Thermocouple <input type="radio"/> DIN Type U Thermocouple <input type="radio"/> ASTM W5Re/W26Re <input type="radio"/> 4 - 20 mA (NAMUR) <input type="radio"/> 4 - 20 mA (Rosemount) <input type="radio"/> None
Number of Leads <input type="radio"/> 2-wire <input type="radio"/> 3-wire	Number of Leads <input type="radio"/> 2-wire <input type="radio"/> 3-wire
Measurement Point (5% to 95% Sensor Range) LO _____ HI _____	Measurement Point (5% to 95% Sensor Range) LO _____ HI _____
Units <input type="radio"/> mV <input type="radio"/> °C★ <input type="radio"/> mA <input type="radio"/> °F <input type="radio"/> Ohms <input type="radio"/> °R <input type="radio"/> K	Units <input type="radio"/> mV <input type="radio"/> °C★ <input type="radio"/> mA <input type="radio"/> °F <input type="radio"/> Ohms <input type="radio"/> °R <input type="radio"/> K
Alarms(1)(2) HI HI Alarm _____ *(+ infinity) HI Alarm _____ *(+ infinity) LO Alarm _____ *(- infinity) LO LO Alarm _____ *(- infinity)	Alarms(1)(2) HI HI Alarm _____ *(+ infinity) HI Alarm _____ *(+ infinity) LO Alarm _____ *(- infinity) LO LO Alarm _____ *(- infinity)

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