

Rosemount™ 848T Wireless Configuration Data Sheet

BOLD = Required value
* = Default

Select only one of the items provided
 One or more of the listed items can be selected

Customer information	
Customer: _____	Contact name: _____
Phone no.: _____	Fax no./email: _____
P.O./reference no.: _____	P.O. line item: _____
Quote no.: _____	Model no.: _____
Customer sign-off: _____	

Tagging
Hardware tag: _____ (8 characters maximum)
Software tag: _____ (8 characters maximum)
Long software tag: _____ (32 characters maximum - WirelessHART® only)

Note
 The C1 option is required to factory configure each sensor differently. It is not needed to configure the self-organizing network parameters or to identically set all sensor inputs. The C1 option is also required for factory configuration of process alerts, update rate, and channel tag.

Self organizing network parameters
Rosemount Wireless Self Organizing devices employ configurable network parameters that allow users to manage network security. The best security practice is to order Wireless Self Organizing devices with Generated Network Parameters and enter Customer Network Parameters during the onsite commissioning process upon receipt. This allows customers to best control network access and security.
<input type="radio"/> Factory-Generated Network Parameters * <input type="radio"/> Customer Network Parameters
Network ID _ _ _ _ _ (00000-32,767)
Join Key ⁽¹⁾ _ _ _ _ _ _ _ _ _ - _ _ _ _ _ _ _ _ _ - _ _ _ _ _ _ _ _ _ - _ _ _ _ _ _ _ _ _

1. Exactly 32 hexadecimal digits, 0–9 and A–F.



Sensor inputs (all inputs configured identically)			
Sensor type			Calibration range(default range 0–100 °C)⁽¹⁾
<input type="radio"/> Pt 50 GOST ($\alpha = 0.003910$)	<input type="radio"/> Cu 100 ($\alpha = 428$)	<input type="radio"/> GOST Type L	Upper limit _____
<input type="radio"/> Pt 100 GOST ($\alpha = 0.00391$)	<input type="radio"/> Cu 50 ($\alpha = 426$)	<input type="radio"/> DIN Type L T/C	Lower limit _____
<input type="radio"/> Pt 100 IEC ($\alpha = 0.00385$)	<input type="radio"/> Cu 50 ($\alpha = 428$)	<input type="radio"/> DIN Type U T/C	
<input type="radio"/> Pt 100 JIS ($\alpha = 0.003916$)	<input type="radio"/> Cu 100 ($\alpha = 426$)	<input type="radio"/> Type ASTM W5Re/W26Re T/C	Units
<input type="radio"/> Pt 200 JIS ($\alpha = 0.003916$)	<input type="radio"/> Cu 100 ($\alpha = 428$)	<input type="radio"/> 100 mV	<input type="radio"/> °C*
<input type="radio"/> Pt 200 IEC ($\alpha = 0.00385$)	<input type="radio"/> NIST Type B T/C	<input type="radio"/> 1000 mV	<input type="radio"/> °F
<input type="radio"/> Pt 500 IEC ($\alpha = 0.00385$)	<input type="radio"/> NIST Type E T/C	<input type="radio"/> Ohms	<input type="radio"/> °R
<input type="radio"/> Pt 1000 IEC ($\alpha = 0.00385$)	<input type="radio"/> NIST Type J* T/C	<input type="radio"/> 4–20 mA (NAMUR)	<input type="radio"/> K
<input type="radio"/> Ni 120 Edison Curve No. 15	<input type="radio"/> NIST Type K T/C	<input type="radio"/> 4–20 mA (Rosemount)	<input type="radio"/> Ohms
<input type="radio"/> Cu 10 Edison Copper Winding No. 7	<input type="radio"/> NIST Type N T/C	<input type="radio"/> None	<input type="radio"/> mV
<input type="radio"/> Cu 50 ($\alpha = 426$)	<input type="radio"/> NIST Type R T/C		<input type="radio"/> mA
<input type="radio"/> Cu 50 ($\alpha = 428$)	<input type="radio"/> NIST Type S T/C		
<input type="radio"/> Cu 100 ($\alpha = 426$)	<input type="radio"/> NIST Type T T/C		

1. Required only for options Q4 and C4.

Note

Custom configuration information below this line requires C1 option code.

Transmitter information	
Descriptor: _____	(16 characters maximum)
Message: _____	(32 characters maximum)
Date: _____	(DD/MMM/YY; Default is date of transmitter calibration.)

Update rate	
Update rate _____	<input type="radio"/> Seconds <input type="radio"/> Minutes
2.4 GHz DSSS WirelessHART Update Rate allows 4 seconds, 8 seconds, 16 seconds, 32 seconds, or 1 to 60 minutes. (1 minute*)	

Sensor 1 configuration				
Tag _____				
Sensor type <input type="radio"/> Pt 50 GOST ($\alpha = 0.003910$) <input type="radio"/> Cu 100 ($\alpha = 428$) <input type="radio"/> GOST Type L <input type="radio"/> Pt 100 GOST ($\alpha = 0.00391$) <input type="radio"/> Cu 50 ($\alpha = 426$) <input type="radio"/> DIN Type L T/C <input type="radio"/> Pt 100 IEC ($\alpha = 0.00385$) <input type="radio"/> Cu 50 ($\alpha = 428$) <input type="radio"/> DIN Type U T/C <input type="radio"/> Pt 100 JIS ($\alpha = 0.003916$) <input type="radio"/> Cu 100 ($\alpha = 426$) <input type="radio"/> Type ASTM W5Re/W26Re T/C <input type="radio"/> Pt 200 JIS ($\alpha = 0.003916$) <input type="radio"/> Cu 100 ($\alpha = 428$) <input type="radio"/> 100 mV <input type="radio"/> Pt 200 IEC ($\alpha = 0.00385$) <input type="radio"/> NIST Type B T/C <input type="radio"/> 1000 mV <input type="radio"/> Pt 500 IEC ($\alpha = 0.00385$) <input type="radio"/> NIST Type E T/C <input type="radio"/> Ohms <input type="radio"/> Pt 1000 IEC ($\alpha = 0.00385$) <input type="radio"/> NIST Type J* T/C <input type="radio"/> 4–20 mA (NAMUR) <input type="radio"/> Ni 120 Edison Curve No. 15 <input type="radio"/> NIST Type K T/C <input type="radio"/> 4–20 mA (Rosemount) <input type="radio"/> Cu 10 Edison Copper Winding No. 7 <input type="radio"/> NIST Type N T/C <input type="radio"/> None <input type="radio"/> Cu 50 ($\alpha = 426$) <input type="radio"/> NIST Type R T/C <input type="radio"/> Cu 50 ($\alpha = 428$) <input type="radio"/> NIST Type S T/C <input type="radio"/> Cu 100 ($\alpha = 426$) <input type="radio"/> NIST Type T T/C			Calibration range(default range 0–100 °C)⁽¹⁾ Upper limit _____ Lower limit _____	
			Units <input type="radio"/> °C* <input type="radio"/> °F <input type="radio"/> °R <input type="radio"/> K <input type="radio"/> Ohms <input type="radio"/> mV <input type="radio"/> mA	Number of leads <input type="radio"/> 2-wire* <input type="radio"/> 3-wire <input type="radio"/> 4-wire

1. Required only for options Q4 and C4.

Sensor 1 alerts	
LO limit Alert mode: <input type="radio"/> Enabled <input type="radio"/> Disabled Trigger point ⁽¹⁾ : _____ Deadband ⁽¹⁾ : _____	HI limit Alert mode: <input type="radio"/> Enabled <input type="radio"/> Disabled Trigger point: _____ Deadband: _____

1. Trigger point and dead band values use the same units of measurement as the sensor reading.

Sensor 2 configuration				
Tag _____				
Sensor type <input type="radio"/> Pt 50 GOST ($\alpha = 0.003910$) <input type="radio"/> Cu 100 ($\alpha = 428$) <input type="radio"/> GOST Type L <input type="radio"/> Pt 100 GOST ($\alpha = 0.00391$) <input type="radio"/> Cu 50 ($\alpha = 426$) <input type="radio"/> DIN Type L T/C <input type="radio"/> Pt 100 IEC ($\alpha = 0.00385$) <input type="radio"/> Cu 50 ($\alpha = 428$) <input type="radio"/> DIN Type U T/C <input type="radio"/> Pt 100 JIS ($\alpha = 0.003916$) <input type="radio"/> Cu 100 ($\alpha = 426$) <input type="radio"/> Type ASTM W5Re/W26Re T/C <input type="radio"/> Pt 200 JIS ($\alpha = 0.003916$) <input type="radio"/> Cu 100 ($\alpha = 428$) <input type="radio"/> 100 mV <input type="radio"/> Pt 200 IEC ($\alpha = 0.00385$) <input type="radio"/> NIST Type B T/C <input type="radio"/> 1000 mV <input type="radio"/> Pt 500 IEC ($\alpha = 0.00385$) <input type="radio"/> NIST Type E T/C <input type="radio"/> Ohms <input type="radio"/> Pt 1000 IEC ($\alpha = 0.00385$) <input type="radio"/> NIST Type J* T/C <input type="radio"/> 4–20 mA (NAMUR) <input type="radio"/> Ni 120 Edison Curve No. 15 <input type="radio"/> NIST Type K T/C <input type="radio"/> 4–20 mA (Rosemount) <input type="radio"/> Cu 10 Edison Copper Winding No. 7 <input type="radio"/> NIST Type N T/C <input type="radio"/> None <input type="radio"/> Cu 50 ($\alpha = 426$) <input type="radio"/> NIST Type R T/C <input type="radio"/> Cu 50 ($\alpha = 428$) <input type="radio"/> NIST Type S T/C <input type="radio"/> Cu 100 ($\alpha = 426$) <input type="radio"/> NIST Type T T/C			Calibration range(default range 0–100 °C)⁽¹⁾ Upper limit _____ Lower limit _____	
			Units <input type="radio"/> °C* <input type="radio"/> °F <input type="radio"/> °R <input type="radio"/> K <input type="radio"/> Ohms <input type="radio"/> mV <input type="radio"/> mA	Number of leads <input type="radio"/> 2-wire* <input type="radio"/> 3-wire <input type="radio"/> 4-wire

1. Required only for options Q4 and C4.

Sensor 2 alerts	
LO limit Alert mode: <input type="radio"/> Enabled <input type="radio"/> Disabled Trigger point ⁽¹⁾ : _____ Deadband ⁽¹⁾ : _____	HI limit Alert mode: <input type="radio"/> Enabled <input type="radio"/> Disabled Trigger point: _____ Deadband: _____

1. Trigger point and dead band values use the same units of measurement as the sensor reading.

Sensor 3 configuration				
Tag _____				
Sensor type <input type="radio"/> Pt 50 GOST ($\alpha = 0.003910$) <input type="radio"/> Cu 100 ($\alpha = 428$) <input type="radio"/> GOST Type L <input type="radio"/> Pt 100 GOST ($\alpha = 0.00391$) <input type="radio"/> Cu 50 ($\alpha = 426$) <input type="radio"/> DIN Type L T/C <input type="radio"/> Pt 100 IEC ($\alpha = 0.00385$) <input type="radio"/> Cu 50 ($\alpha = 428$) <input type="radio"/> DIN Type U T/C <input type="radio"/> Pt 100 JIS ($\alpha = 0.003916$) <input type="radio"/> Cu 100 ($\alpha = 426$) <input type="radio"/> Type ASTM W5Re/W26Re T/C <input type="radio"/> Pt 200 JIS ($\alpha = 0.003916$) <input type="radio"/> Cu 100 ($\alpha = 428$) <input type="radio"/> 100 mV <input type="radio"/> Pt 200 IEC ($\alpha = 0.00385$) <input type="radio"/> NIST Type B T/C <input type="radio"/> 1000 mV <input type="radio"/> Pt 500 IEC ($\alpha = 0.00385$) <input type="radio"/> NIST Type E T/C <input type="radio"/> Ohms <input type="radio"/> Pt 1000 IEC ($\alpha = 0.00385$) <input type="radio"/> NIST Type J* T/C <input type="radio"/> 4-20 mA (NAMUR) <input type="radio"/> Ni 120 Edison Curve No. 15 <input type="radio"/> NIST Type K T/C <input type="radio"/> 4-20 mA (Rosemount) <input type="radio"/> Cu 10 Edison Copper Winding No. 7 <input type="radio"/> NIST Type N T/C <input type="radio"/> None <input type="radio"/> Cu 50 ($\alpha = 426$) <input type="radio"/> NIST Type R T/C <input type="radio"/> Cu 50 ($\alpha = 428$) <input type="radio"/> NIST Type S T/C <input type="radio"/> Cu 100 ($\alpha = 426$) <input type="radio"/> NIST Type T T/C			Calibration range(default range 0-100 °C)⁽¹⁾ Upper limit _____ Lower limit _____	
			Units <input type="radio"/> °C* <input type="radio"/> °F <input type="radio"/> °R <input type="radio"/> K <input type="radio"/> Ohms <input type="radio"/> mV <input type="radio"/> mA	Number of leads <input type="radio"/> 2-wire* <input type="radio"/> 3-wire <input type="radio"/> 4-wire

1. Required only for options Q4 and C4.

Sensor 3 alerts	
LO limit Alert mode: <input type="radio"/> Enabled <input type="radio"/> Disabled Trigger point ⁽¹⁾ : _____ Deadband ⁽¹⁾ : _____	HI limit Alert mode: <input type="radio"/> Enabled <input type="radio"/> Disabled Trigger point: _____ Deadband: _____

1. Trigger point and dead band values use the same units of measurement as the sensor reading.

Sensor 4 configuration				
Tag _____				
Sensor type <input type="radio"/> Pt 50 GOST ($\alpha = 0.003910$) <input type="radio"/> Cu 100 ($\alpha = 428$) <input type="radio"/> GOST Type L <input type="radio"/> Pt 100 GOST ($\alpha = 0.00391$) <input type="radio"/> Cu 50 ($\alpha = 426$) <input type="radio"/> DIN Type L T/C <input type="radio"/> Pt 100 IEC ($\alpha = 0.00385$) <input type="radio"/> Cu 50 ($\alpha = 428$) <input type="radio"/> DIN Type U T/C <input type="radio"/> Pt 100 JIS ($\alpha = 0.003916$) <input type="radio"/> Cu 100 ($\alpha = 426$) <input type="radio"/> Type ASTM W5Re/W26Re T/C <input type="radio"/> Pt 200 JIS ($\alpha = 0.003916$) <input type="radio"/> Cu 100 ($\alpha = 428$) <input type="radio"/> 100 mV <input type="radio"/> Pt 200 IEC ($\alpha = 0.00385$) <input type="radio"/> NIST Type B T/C <input type="radio"/> 1000 mV <input type="radio"/> Pt 500 IEC ($\alpha = 0.00385$) <input type="radio"/> NIST Type E T/C <input type="radio"/> Ohms <input type="radio"/> Pt 1000 IEC ($\alpha = 0.00385$) <input type="radio"/> NIST Type J* T/C <input type="radio"/> 4–20 mA (NAMUR) <input type="radio"/> Ni 120 Edison Curve No. 15 <input type="radio"/> NIST Type K T/C <input type="radio"/> 4–20 mA (Rosemount) <input type="radio"/> Cu 10 Edison Copper Winding No. 7 <input type="radio"/> NIST Type N T/C <input type="radio"/> None <input type="radio"/> Cu 50 ($\alpha = 426$) <input type="radio"/> NIST Type R T/C <input type="radio"/> Cu 50 ($\alpha = 428$) <input type="radio"/> NIST Type S T/C <input type="radio"/> Cu 100 ($\alpha = 426$) <input type="radio"/> NIST Type T T/C			Calibration range(default range 0–100 °C)⁽¹⁾ Upper limit _____ Lower limit _____	
			Units <input type="radio"/> °C* <input type="radio"/> °F <input type="radio"/> °R <input type="radio"/> K <input type="radio"/> Ohms <input type="radio"/> mV <input type="radio"/> mA	Number of leads <input type="radio"/> 2-wire* <input type="radio"/> 3-wire <input type="radio"/> 4-wire

1. Required only for options Q4 and C4.

Sensor 4 alerts	
LO limit Alert mode: <input type="radio"/> Enabled <input type="radio"/> Disabled Trigger point ⁽¹⁾ : _____ Deadband ⁽¹⁾ : _____	HI limit Alert mode: <input type="radio"/> Enabled <input type="radio"/> Disabled Trigger point: _____ Deadband: _____

1. Trigger point and dead band values use the same units of measurement as the sensor reading.

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