

Rosemount™ 648 Wireless Temperature Transmitter Configuration Data Sheet

BOLD = Required value
* = Default value

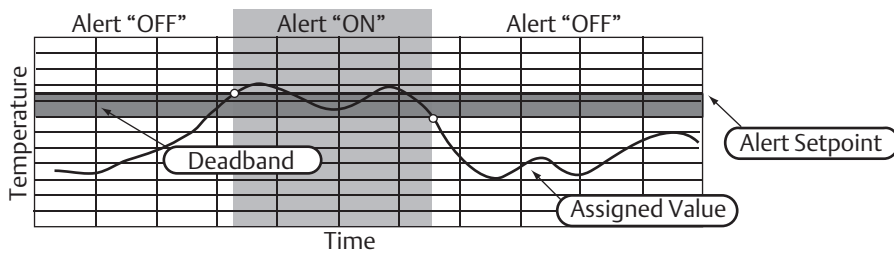
Select only one of the items provided
 One or more of the listed items can be selected

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 - <i>WirelessHART</i> [®] only)			
Sensor configuration			
Sensor tag _ _ _ _ _ _ _ _ _ (0-16777215) ⁽¹⁾			
AC power filter	Measurement range	Units	
<input type="radio"/> 50 Hz line voltage filter	Upper range value (100%) _____ (100 °C*)	<input type="radio"/> °C* <input type="radio"/> °R <input type="radio"/> Ohms	
<input type="radio"/> 60 Hz line voltage filter *	Lower range value (0%) _____ (0 °C*)	<input type="radio"/> °F <input type="radio"/> K <input type="radio"/> mV	
Sensor type			
<input type="radio"/> Pt 100 ($\alpha = 0.00385$) IEC*	<input type="radio"/> Pt 100 ($\alpha = 0.00391$) GOST	<input type="radio"/> Type E NIST	<input type="radio"/> Type U DIN
<input type="radio"/> Pt 200 ($\alpha = 0.00385$) IEC	<input type="radio"/> Pt 50 ($\alpha = 0.00391$) GOST	<input type="radio"/> Type N NIST	<input type="radio"/> Type W5Re/W26Re ASTM
<input type="radio"/> Pt 500 ($\alpha = 0.00385$) IEC	<input type="radio"/> Cu 50 ($\alpha = 0.00426$) GOST	<input type="radio"/> Type J NIST	<input type="radio"/> Type L GOST
<input type="radio"/> Pt 1000 ($\alpha = 0.00385$) IEC	<input type="radio"/> Cu 50 ($\alpha = 0.00428$) GOST	<input type="radio"/> Type K NIST	<input type="radio"/> mV
<input type="radio"/> Pt 100 ($\alpha = 0.003916$) JIS	<input type="radio"/> Cu 100 ($\alpha = 0.00426$) GOST	<input type="radio"/> Type R NIST	<input type="radio"/> ohm
<input type="radio"/> Pt 200 ($\alpha = 0.003916$) JIS	<input type="radio"/> Cu 100 ($\alpha = 0.00428$) GOST	<input type="radio"/> Type S NIST	<input type="radio"/> Not Used
<input type="radio"/> Ni 120 Edison Curve No. 7	<input type="radio"/> Transmitter - Sensor Matching (C2 Option)	<input type="radio"/> Type T NIST	Number of leads <input type="radio"/> 2-wire <input type="radio"/> 3-wire <input type="radio"/> 4-wire*
<input type="radio"/> Cu 10 Edison Copper Winding No. 15	<input type="radio"/> Type B NIST	<input type="radio"/> Type L DIN	

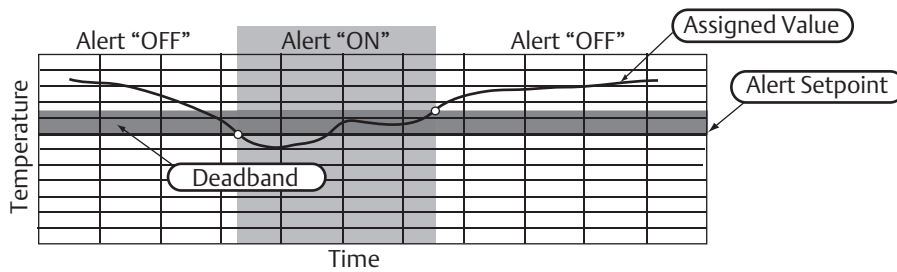
1. Default without sensor assembly is 0. Default with sensor assembly (XA) is sensor serial number.

Alert configuration			
HI-HI limit		HI limit	
Variable assigned:	Primary Variable	Variable assigned:	Primary Variable
Alert direction:	Rising	Alert direction:	Rising
Alert mode:	<input type="radio"/> Enabled <input type="radio"/> Disabled	Alert mode:	<input type="radio"/> Enabled <input type="radio"/> Disabled
Units:	<input type="radio"/> °C <input type="radio"/> °F <input type="radio"/> °R <input type="radio"/> K <input type="radio"/> mV <input type="radio"/> Ω	Units:	<input type="radio"/> °C <input type="radio"/> °F <input type="radio"/> °R <input type="radio"/> K <input type="radio"/> mV <input type="radio"/> Ω
Alert setpoint:	_____	Alert setpoint:	_____
Deadband:	_____	Deadband:	_____
LO-LO limit		LO limit	
Variable assigned:	Primary Variable	Variable assigned:	Primary Variable
Alert direction:	Falling	Alert direction:	Falling
Alert mode:	<input type="radio"/> Enabled <input type="radio"/> Disabled	Alert mode:	<input type="radio"/> Enabled <input type="radio"/> Disabled
Units:	<input type="radio"/> °C <input type="radio"/> °F <input type="radio"/> °R <input type="radio"/> K <input type="radio"/> mV <input type="radio"/> Ω	Units:	<input type="radio"/> °C <input type="radio"/> °F <input type="radio"/> °R <input type="radio"/> K <input type="radio"/> mV <input type="radio"/> Ω
Alert setpoint:	_____	Alert setpoint:	_____
Deadband:	_____	Deadband:	_____

Example 1: Rising alert



Example 2: Falling alert



Global Headquarters

Emerson Process Management

6021 Innovation Blvd.
Shakopee, MN 55379, USA
+1 800 999 9307 or +1 952 906 8888
+1 952 949 7001
RFQ.RMD-RCC@EmersonProcess.com

North America Regional Office

Emerson Process Management

8200 Market Blvd.
Chanhassen, MN 55317, USA
+1 800 999 9307 or +1 952 906 8888
+1 952 949 7001
RMT-NA.RCCRFQ@Emerson.com

Latin America Regional Office

Emerson Process Management

1300 Concord Terrace, Suite 400
Sunrise, FL 33323, USA
+1 954 846 5030
+1 954 846 5121
RFQ.RMD-RCC@EmersonProcess.com

Europe Regional Office

Emerson Process Management Europe GmbH

Neuhofstrasse 19a P.O. Box 1046
CH 6340 Baar
Switzerland
+41 (0) 41 768 6111
+41 (0) 41 768 6300
RFQ.RMD-RCC@EmersonProcess.com

Asia Pacific Regional Office

Emerson Process Management Asia Pacific Pte Ltd

1 Pandan Crescent
Singapore 128461
+65 6777 8211
+65 6777 0947
Enquiries@AP.EmersonProcess.com

Middle East and Africa Regional Office

Emerson Process Management

Emerson FZE P.O. Box 17033
Jebel Ali Free Zone - South 2
Dubai, United Arab Emirates
+971 4 8118100
+971 4 8865465
RFQ.RMTMEA@Emerson.com

Questions?

[Contact Our Rosemount Configuration Specialist](#)

