

# 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

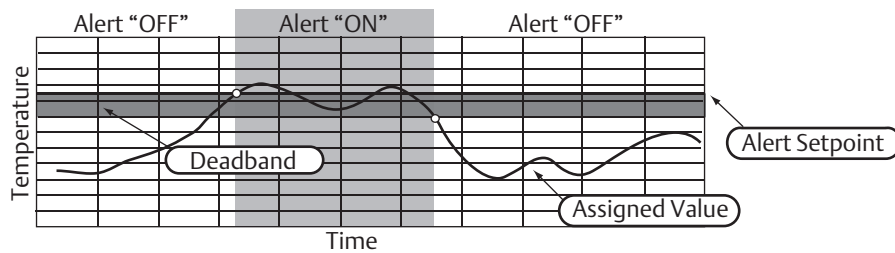
Customer information			
Customer: _____	Contact name: _____		
Phone no.: _____	Fax no./email: _____		
P.O./reference no.: _____	P.O. line item: _____		
Quote no.: _____	Model no.: _____		
Customer sign-off: _____			
Tagging			
Hardware tag: _____ (8 characters maximum)			
Software tag: _____ (8 characters maximum)			
Long software tag: _____ (32 characters maximum - WirelessHART® only)			
Sensor configuration			
<b>Sensor tag</b>   _   _   _   _   _   _   _   _   _   (0-16777215) <sup>(1)</sup>			
<b>AC power filter</b>	<b>Measurement range</b>	<b>Units</b>	
<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	
<b>Sensor type</b>			
<input type="radio"/> Pt 100 (α = 0.00385) IEC*	<input type="radio"/> Pt 100 (α = 0.00391) GOST	<input type="radio"/> Type E NIST	<input type="radio"/> Type U DIN
<input type="radio"/> Pt 200 (α = 0.00385) IEC	<input type="radio"/> Pt 50 (α = 0.00391) GOST	<input type="radio"/> Type N NIST	<input type="radio"/> Type W5Re/W26Re ASTM
<input type="radio"/> Pt 500 (α = 0.00385) IEC	<input type="radio"/> Cu 50 (α = 0.00426) GOST	<input type="radio"/> Type J NIST	<input type="radio"/> Type L GOST
<input type="radio"/> Pt 1000 (α = 0.00385) IEC	<input type="radio"/> Cu 50 (α = 0.00428) GOST	<input type="radio"/> Type K NIST	<input type="radio"/> mV
<input type="radio"/> Pt 100 (α = 0.003916) JIS	<input type="radio"/> Cu 100 (α = 0.00426) GOST	<input type="radio"/> Type R NIST	<input type="radio"/> ohm
<input type="radio"/> Pt 200 (α = 0.003916) JIS	<input type="radio"/> Cu 100 (α = 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	<b>Number of leads</b> <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.

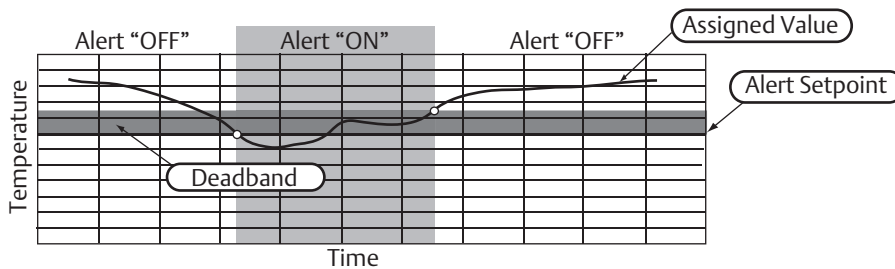


Alert configuration	
<p><b>HI-HI limit</b></p> <p>Variable assigned: Primary Variable</p> <p>Alert direction: Rising</p> <p>Alert mode: <input type="radio"/> Enabled <input type="radio"/> Disabled</p> <p>Units: <input type="radio"/> °C <input type="radio"/> °F <input type="radio"/> °R <input type="radio"/>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

**Example 1: Rising alert**



**Example 2: Falling alert**



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