

Configuration Data Sheet

00806-0100-4100, Rev AB

January 2012

Rosemount 3051 Wireless

Rosemount 3051 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 Signoff: _____	

Tagging	
Hardware Tag: _____	
Software Tag: _____	(8 characters)
Long Software Tag: _____	(32 characters)

Unit Related Information	
Pressure Units:	<input type="radio"/> inH ₂ O at 4 °C <input type="radio"/> mmH ₂ O at 68 °F <input type="radio"/> Psi [*] <input type="radio"/> Mpa
	<input type="radio"/> inH ₂ O at 60 °F <input type="radio"/> cmH ₂ O at 4 °C <input type="radio"/> Psf <input type="radio"/> Bar
	<input type="radio"/> inH ₂ O at 68 °F <input type="radio"/> mH ₂ O at 4 °C <input type="radio"/> Atm <input type="radio"/> Mbar
	<input type="radio"/> ftH ₂ O at 4 °C <input type="radio"/> inHg at 0 °C <input type="radio"/> Torr <input type="radio"/> g/cm ²
	<input type="radio"/> ftH ₂ O at 60 °F <input type="radio"/> mmHg at 0 °C <input type="radio"/> Pascals <input type="radio"/> kg/cm ²
	<input type="radio"/> ftH ₂ O at 68 °F <input type="radio"/> cmHg at 0 °C <input type="radio"/> hectoPascals <input type="radio"/> kg/m ²
	<input type="radio"/> mmH ₂ O at 4 °C <input type="radio"/> mHg at 0 °C <input type="radio"/> Kilopascals
Upper Calibration point (100%): _____	URL [*]
Lower Calibration point (0%): _____	0 [*]
% of Range Transfer Function:	
<input type="radio"/> Linear [*]	<input type="radio"/> Square Root
Device temperature units:	
<input type="radio"/> Deg. C [*]	<input type="radio"/> Deg. F

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Process Management

Rosemount 3051 Wireless

Self Organizing Network Parameters

Rosemount Smart Wireless Self Organizing devices employ configurable network parameters that allow users to manage network security. The best security practice is to order Smart 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.

- Factory-Generated Network Parameters ★
- Customer Network Parameters

Network ID |_|_|_|_|_|_|_|_| (00000-32000)

Join Key⁽¹⁾ |_|_|_|_|_|_|_|_|_|-|_|_|_|_|_|_|_|_|_|-|_|_|_|_|_|_|_|_|_|-|_|_|_|_|_|_|_|_|_|

(1) Exactly 32 hexadecimal digits, 0-9 and A-F

NOTE

Custom configuration information below this note requires C1 option code.

Transmitter Information

Descriptor: _____ (16 Characters Maximum)

Message: _____ (32 Characters Maximum)

Date: _____ (MM/DD/YYYY) (Date of Calibration★)

Wireless Information

Update Rate: 1 second 2 seconds 4 seconds 8 seconds 16 seconds 32 seconds or _____ minutes _____ seconds

2.4 GHz DSSS WirelessHART™ Update Rate allows for 1, 2, 4, 8, 16, 32 seconds, or 1 to 60 minutes. (1 Minute★)

Digital Display (Select all parameters to be shown on the device display)

- Pressure★ % of Range Scaled Variable Sensor Temperature Supply Voltage

Output Information

Write Protect: Enabled Disabled★

Local Digital Zero Trim⁽¹⁾: Enabled★ Disabled

(1) Requires DZ

Variable Mapping: Select One

- | | |
|--|---|
| <input type="radio"/> Classic Mapping★ | <input type="radio"/> Scaled Variable Mapping |
| PV = Pressure | PV = Scaled Variable |
| SV = Sensor Temperature | SV = Pressure |
| TV = Electronics Temperature | TV = Sensor Temperature |
| QV = Supply Voltage | QV = Supply Voltage |

Scaled Variable

Scaled Units = _____ (5 characters max— valid characters include 0-9, A-Z, I, %, -, and ★)

Transfer Function:

Linear★

Square Root

Linear Scaled Variable (Linear option only)

Square Root Scaled Variable (Square Root option only)

Low pressure value = _____ (Eng. Units)

Low pressure value: 0 (Eng. Units)

High pressure value = _____ (Eng. Units)

High pressure value = _____ (Eng. Units)

Low scaled value = _____ (Scaled Units)

Low scaled value: 0 (Scaled Units)

High scaled value = _____ (Scaled Units)

High scaled value = _____ (Scaled Units)

Linear Offset = _____ (Eng. Units)

Low Flow Cut Off: On★ Off _____ (Scaled unit)

Range Values—both categories must be completed. (used when scaled variable is set to primary variable)

LRV: _____ (Scaled Unit) (seven characters max)

URV: _____ (Scaled Unit) (seven characters max)

Configuration Data Sheet

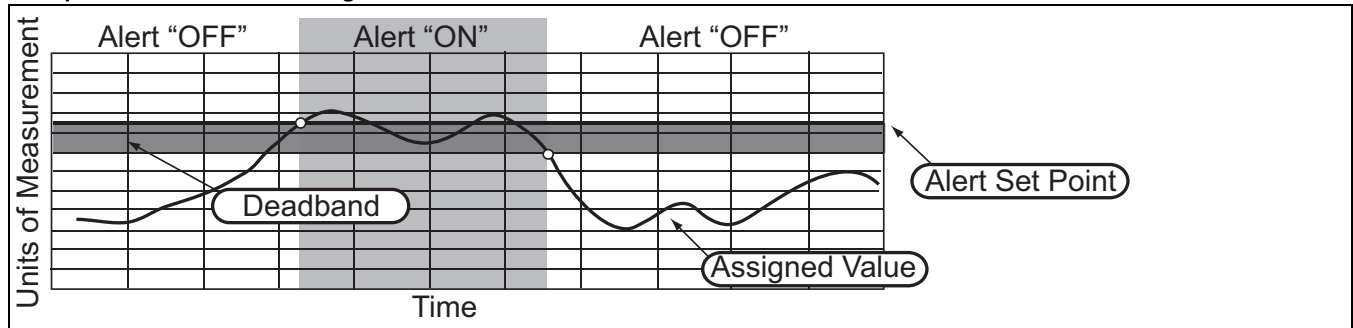
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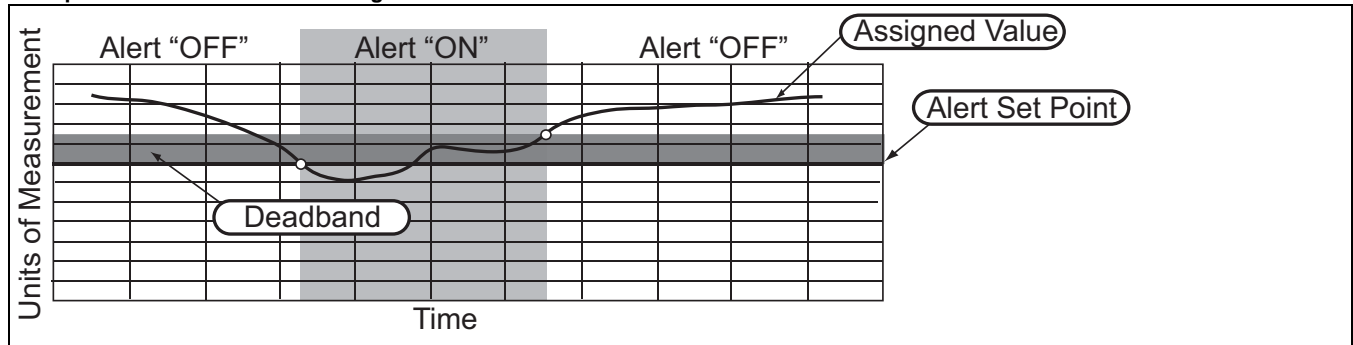
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Process Alerts	
Process alert setpoints are values set by the user where the transmitter outputs a HART message and digital display information when the applied pressure or temperature goes outside the designate range. The pressure values are limited to the range of the transmitter.	
Pressure Process Alert $(LRL \leq LO \text{ LO Alert} \leq LO \text{ Alert} \leq HI \text{ Alert} \leq HI \text{ HI Alert} \leq URL)$	Temperature Process Alert $(-40 \text{ }^\circ\text{C} \leq LO \text{ LO Alert} \leq LO \text{ Alert} \leq HI \text{ Alert} \leq HI \text{ HI Alert} \leq 85 \text{ }^\circ\text{C})$
<input type="radio"/> On <input type="radio"/> Off*	<input type="radio"/> On <input type="radio"/> Off*
LO LO Set Point: _____ Deadband: _____ (Engineering Unit)	LO LO Set Point: _____ Deadband: _____ (Temp. Unit -40°C, -40°F)
LO Set Point: _____ Deadband: _____ (Engineering Unit)	LO Set Point: _____ Deadband: _____ (Engineering Unit)
HI Set Point: _____ Deadband: _____ (Engineering Unit)	HI Set Point: _____ Deadband: _____ (Engineering Unit)
HI HI Set Point: _____ Deadband: _____ (Engineering Unit)	HI HI Set Point: _____ Deadband: _____ (Temp. Unit 85°C, 185°F)

Example 1: HI HI and HI are Rising Alerts



Example 2: LO LO and LO are Falling Alerts



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