

Configuration Data Sheet

00806-0200-4803, Rev AA
January 2014

Rosemount 3051SMV Wireless Series

Rosemount 3051SMV 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					
Differential Pressure Sensor					
Units:					
<input type="radio"/> inH2O @68 °F	<input type="radio"/> mmHg@0 °C	<input type="radio"/> g/m ²	<input type="radio"/> Torr	<input type="radio"/> mH2O @ 4 °C	<input type="radio"/> ftH2O @ 4 °C
<input type="radio"/> inHg @0 °C	<input type="radio"/> psi	<input type="radio"/> kg/m ²	<input type="radio"/> atm	<input type="radio"/> cmHg @ 0 °C	<input type="radio"/> ftH2O @ 60 °F
<input type="radio"/> ftH2O @68 °F	<input type="radio"/> bar	<input type="radio"/> Pa	<input type="radio"/> inH2O @60 °F	<input type="radio"/> lb/ft ²	<input type="radio"/> mHg @ 0 °C
<input type="radio"/> mmH2O @68 °F	<input type="radio"/> mbar	<input type="radio"/> kPa	<input type="radio"/> cmH2O @4 °F	<input type="radio"/> hPa	<input type="radio"/> inH2O @ 4 °C
<input type="radio"/> mmH2O 4 °C					
Static Pressure Sensor					
<input type="radio"/> inH2O @68 °F	<input type="radio"/> mmHg@0 °C	<input type="radio"/> g/m ²	<input type="radio"/> Torr	<input type="radio"/> mH2O @ 4 °C	<input type="radio"/> ftH2O @ 4 °C
<input type="radio"/> inHg @0 °C	<input type="radio"/> psi	<input type="radio"/> kg/m ²	<input type="radio"/> atm	<input type="radio"/> cmHg @ 0 °C	<input type="radio"/> ftH2O @ 60 °F
<input type="radio"/> ftH2O @68 °F	<input type="radio"/> bar	<input type="radio"/> Pa	<input type="radio"/> inH2O @60 °F	<input type="radio"/> lb/ft ²	<input type="radio"/> mHg @ 0 °C
<input type="radio"/> mmH2O @68 °F	<input type="radio"/> mbar	<input type="radio"/> kPa	<input type="radio"/> cmH2O @4 °F	<input type="radio"/> hPa	<input type="radio"/> inH2O @ 4 °C
<input type="radio"/> mmH2O 4 °C					
Device temperature:					
<input type="radio"/> °C	<input type="radio"/> °F				

Transmitter Sensor Calibration of the Lower Trim Value (LTV) and Upper Trim Value (UTV)			
Differential Pressure:	LTV= _____	UTV= _____	Units: _____
Static Pressure:	LTV= _____	UTV= _____	Units: _____

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Process Management

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Variable Mapping (Please assign each variable by selecting one choice per row)								
	Differential Pressure	Scaled Variable	Atmospheric Pressure	Gage Pressure	Sensor Temperature	Percent of Range	Device Temperature	Supply Voltage
PV:	<input type="radio"/>	<input type="radio"/>						
2V:	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3V:	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4V:	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Digital Display							
<input type="checkbox"/>	Differential Pressure	<input type="checkbox"/>	AP Pressure	<input type="checkbox"/>	Gage Pressure	<input type="checkbox"/>	Sensor Temperature
<input type="checkbox"/>	Scaled Variable	<input type="checkbox"/>	Percent of Range	<input type="checkbox"/>	Device Temperature	<input type="checkbox"/>	Supply Voltage

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
 Scaled variable only available on the DP Sensor.

Scaled Variable (Note: Scaled Variable output only available on the differential pressure value)	
Scaled Units = _____ (5 characters max— valid characters include 0-9, A-Z, I, %, -, and *)	
Transfer Function: <input type="radio"/> Linear*	<input type="radio"/> Square Root
Linear Scaled Variable (Linear option only) Low pressure value = _____ (Eng. Units) High pressure value = _____ (Eng. Units) Low scaled value = _____ (Scaled Units) High scaled value = _____ (Scaled Units) Linear Offset = _____ (Eng. Units)	Square Root Scaled Variable (Square Root option only) Low pressure value: 0 (Eng. Units) High pressure value = _____ (Eng. Units) Low scaled value: 0 (Scaled Units) High scaled value = _____ (Scaled Units) Low Flow Cut Off: <input type="radio"/> On* <input type="radio"/> 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)

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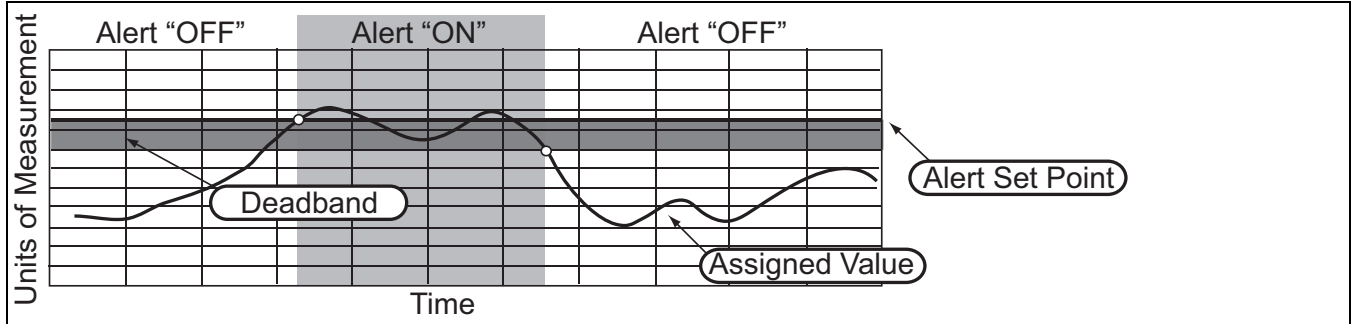
Process Alerts (Note: Scaled Variable output only available on the differential pressure value)	
Process alert setpoints are values set by the user where the transmitter outputs a HART message and digital display information when the applied pressure or temperature goes outside the designate range. The pressure values are limited to the range of the transmitter.	
Pressure Process Alert (LRL ≤ LO LO Alert ≤ LO Alert ≤ HI Alert ≤ HI HI Alert ≤ URL)	
<input type="radio"/> On <input type="radio"/> Off*	
LO LO Set Point: _____	Deadband: _____ (Engineering Unit)
LO Set Point: _____	Deadband: _____ (Engineering Unit)
HI Set Point: _____	Deadband: _____ (Engineering Unit)
HI HI Set Point: _____	Deadband: _____ (Engineering Unit)

Transmitter Information	
Descriptor: _____	(16 Characters Maximum)
Message: _____	(32 Characters Maximum)
Date: _____	(MM/DD/YYYY) (Date of Calibration*)

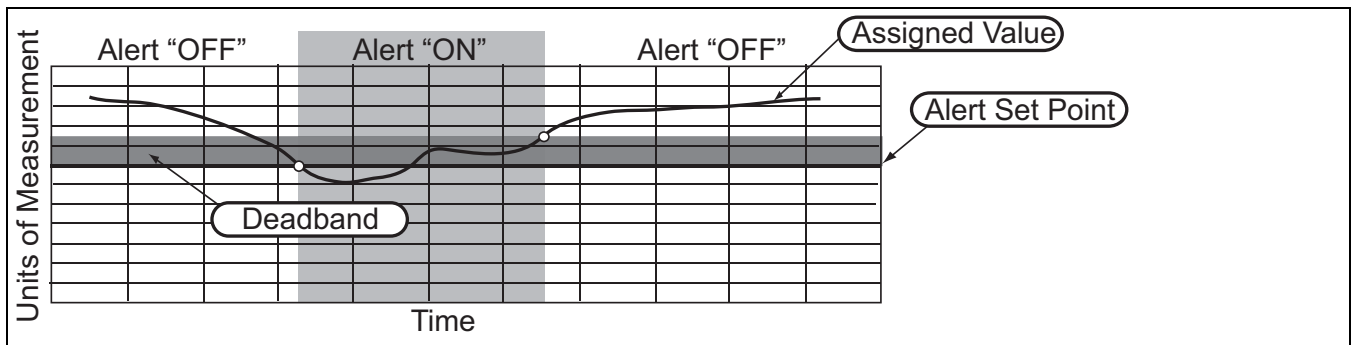
Wireless Information	
Update Rate: <input type="radio"/> 1 second <input type="radio"/> 2 seconds <input type="radio"/> 4 seconds <input type="radio"/> 8 seconds <input type="radio"/> 16 seconds <input type="radio"/> 32 seconds or _____ minutes _____ seconds	
2.4 GHz DSSS WirelessHART™ Update Rate allows for 1, 2, 4, 8, 16, 32 seconds, or 1 to 60 minutes. (1 Minute*)	

Output Information	
Write Protect:	<input type="radio"/> Enabled <input type="radio"/> Disabled*

Example 1: Alerts Rising



Example 2: Alerts Falling



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