



# “L-Combo”-Temp/Humidity with Setpoints – Rev 090806

## Installation and Operating Instructions

11931\_ins\_network\_hum\_temp\_set

Rev 02/08/2007

### Termination



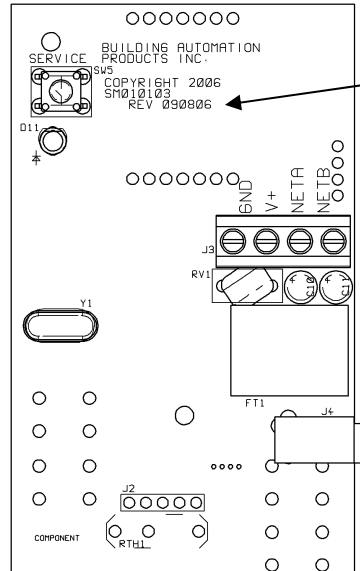
BAPI does not recommend wiring the sensor with power applied as accidental arcing may damage the product and will void the warranty.

Please refer to “**Junction Box and Wiring Guidelines for Twisted Pair LonWorks®**”

**Bulletin #005-0023-01M”** at

[www.echelon.com](http://www.echelon.com) for all wiring specifications.

J3	NETB	Network B
	NETA	Network A
	V+	8 to 24 VDC or 12 to 28 VAC
	GND	Ground



**Note:** These instructions are only valid for Rev 090806 units!

Figure 1; Printed Circuit Board

### Network Variable Listing and Definition

<u>Network Variable</u>	<u>SNVT Type</u>	<u>Description</u>
nviRequest	SNVT_obj_request	[Request information from sensor]
nvoStatus	SNVT_obj_status	[Status information from sensor]
nvoHVACTemp	SNVT_temp_p	[Temperature Output]
nciMaxSendTime	SNVT_time_sec	[Maximum amount of time before nvoHVACTemp is updated]
nciMinSendTime	SNVT_time_sec	[Minimum amount of time before nvoHVACTemp is updated]
nciMinDelta	SNVT_Temp_p	[Minimum change in temperature that must be observed in order for information to be sent to the network]
nciTmpOffset	SNVT_temp_p	[Temperature Offset]
nvoHVACRH	SNVT_lev_percent	[Relative Humidity Output from sensor]
nciMaxSendTime1	SNVT_time_sec	[Maximum amount of time before nvoHVACRH output is updated]
nciMinSendTime1	SNVT_time_sec	[Minimum amount of time before nvoHVACRH output is updated]
nciRHMinDelta	SNVT_lev_percent	[Minimum change in relative humidity that must be observed in order for information to be sent to the network]
nciRHOffset	SNVT_lev_percent	[Relative Humidity Offset]

Specifications subject to change without notice.



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<b><u>Network Variable</u></b>	<b><u>SNVT Type</u></b>	<b><u>Description</u></b>
nviHumSP	SNVT_lev_percent	[Relative Humidity setpoint sent from network to sensor]
nvoHumSP	SNVT_lev_percent	[Relative Humidity setpoint sent from sensor to network]
nviTempSP	SNVT_Temp_p	[Temperature setpoint sent from network to sensor]
nvoTempSP	SNVT_temp_p	[Temperature setpoint sent from sensor to network]
nciTempSPlo	SNVT_Temp_p	[Minimum Temperature Setpoint]
nciTempSPhi	SNVT_temp_p	[Maximum Temperature Setpoint]
nciHumSPlo	SNVT_lev_percent	[Minimum Relative Humidity Setpoint]
nciHumSPhi	SNVT_lev_percent	[Maximum Relative Humidity Setpoint]
nviOccupancy	SNVT_occupancy	[Occupancy variable sent from network to sensor]
nvoOccupancy	SNVT_occupancy	[Occupancy variable sent from sensor to network]
nvoOccTrig	SNVT_occupancy	[5 second occupancy toggle, unoccupied to occupied]
nviOATemp	SNVT_temp_p	[Outside Air Temperature for local display]
nviOArh	SNVT_lev_percent	[Outside Air Relative Humidity for local display]
nciLCDRate	SNVT_time_sec	[Toggle rate of LCD from Temperature to Relative Humidity in seconds]
ncist_bits	SNVT_state	[bit 0 = Degree Setting for LCD, 1 = °C, 0 = °F bits 1-15 = reserved for future use]

Contact BAPI for more information or setup files, if needed.

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