Temperature Sensors

Features & Options

- Power and Communication on Just Two Wires
- Available with Temperature Setpoint and Optional Override, Display and %RH Sensing
- Thermistor, Voltage, Resistance or Dry Contact Outputs
- Up to 500 Foot Wire Runs Perfect for Existing Wires

Many existing buildings have two wire sensors that lack the features people expect in today's sophisticated systems. The BAPI-Com uses those existing two wires and offers the owner a full function sensor with temperature setpoint, occupant override, an optional easy-to-read display and optional %RH sensing.

This retrofit sensor can update old systems to a new look without pulling new wire or disrupting the occupants while saving on labor.

The sensors are powered and communicate over two wires to a Communication Output Module for use by a BAS system. The outputs are configurable as a thermistor, voltage, resistance or dry contact override output. The sensor is powered by the Communication Output Module which itself is supplied by any 24VDC/VAC source.

Specifications

ROOM SENSOR SPECS

Power: 18VDC, from the Comm. Output Module

Wiring: 2 wires, Up to 500ft (new or existing) AWG gauge22 to 14AWG Shielding......Preferred (not required)

Temp Sensor: Thermistor, ±0.36°F (±0.2°C)

RH/Temp Sensor Construction:

Communicating Integrated Circuit Humidity: Capacitive Polymer, ±2% RH (10 to 90%) @25°C, Fully Compensated

Temp: Semi-conductor Band Gap, ±0.3°C @ 25°C

Pole Rate: 400 ms

Ambient:

32 to 122°F (0 to 50°C), 0 to 95%RH, non-condensing





BAPI-Com Room Units with White and Gray Logo Plates



Comm. Output Module (each unit includes a room sensor & comm module)

COMMUNICATION OUTPUT MODULE SPECS

Power in:	24VDC/AC, 30mA
Terminations:	

Comm. & PWR 2 wires to the sensor	
Power in2 wires, 12 to 28 AWG	
Output2 wires per output, 12 to 28 AW	/G
Override Input 2 wires, 16 to 30 AWG	

- Outputs:Three MaximumVolts0 to 5 or 0 to 10VDC, $10k\Omega$ minResistance 400Ω to $20K\Omega$ spanThermistor10K-2 or 10K-3
- Input (DI): Ext. Override Dry Contact, Closed = Occupied
- **EZ Mounting:** DIN Rail, Snaptrack or surface **Material:** ABS Plastic, UL94V-0, RoHS







BAPI-Com, Two-wire Multifunction Sensor

Rev. 03/21/14

Temperature Sensors

rdoring Inform	natior				DAF				o Sonco	r linit						
		Stat 4 I	noloo	uro S	opoorv	with Duchk		or Soto	e SellSo	orrido 8 th	Commu	nightion (Output Modulo (Muat uaa dir	aplay E or ()	
A/BS4INCOW	BAPI-	Stat 4 t	Enclos	ure S	ensorv	with Pusht	bullons I	or Selp		emae & th	e Commu	nication	Output Module. (wust use als	splay -F or -C)	
A/BS4SCOM	BAPI-	Stat 4 I	nclos	ure S	ensor v	with Slide	Setpoint	& the C	communi	cation Outp	out Module	e. (Overr	ide button on the	side if need	ied)	
	Displ	ay Opti	on	(Re	quired	Selection	۱ Field, ۱	Select	Only One	e)						
	-F	Display	/ Conf	gurat	Irable in the field (default is in °F), (Optional Legend selection below)											
	-C	Display	/ Conf	gurable in the field (default is in °C), (Optional Legend selection below)												
	-X	No Dis	play C	Option (Must use a Slide for the Setpoint), (Required Legend selection below)												
		Humid	ity Se	nsing	sing (Skip if not required)											
		-2	2% H	umidi	ty Sens	sor										
			Temp	eratu	ire Out	tput Rang	e (Also	o used	for the v	oltage out	put modu	ile range	e) (Required)			
			-#		Tempe	erature Ou	utput	Desigr	nator			Temper	rature Output	Designa	ator	
					50 to 9	0°F or 10	to 32°C	С				65 to 80)°F or 18 to 27°C	F		
					55 to 8	85°F or 13	to 30°C	D				70 to 74	1°F or 21 to 23°C	L		
					60 to 8	80°F or 15	to 27°C	Е				Se	e Application Not	es, pg 13 for	more ranges	
				Setp	oint C	onfigurat	ion (F	Require	d for uni	ts with Dis	splay) (Si	kip for u	inits without Dis	play)		
				-#	S	etpoint Di	isplay		Designa	ator		Setpoin	nt Display	Designa	ator	
					-2	to +2			Р			65 to 80)°F or 18 to 27°C	F		
					-3	to +3			Α			70 to 74	1°F or 21 to 23°C	L		
					-5	i to +5			в			0 to 100	0% RH	М		
					50) to 90°F c	or 10 to 3	32°C	с			35 to 70	0% RH	N		
					55	5 to 85°F c	or 13 to 3	30°C	D			0 to 100)°F or -18 to 38°C	GG		
					60	0 to 80°F c	or 15 to 2	27°C	E			See	e Application Not	es, pg I3 for	more ranges	
					l egen	d Design	ator on	the Ser	isor Cov	er (Reg	uired for a	all slide	type sensors)			
					_1.0	No Logon	d		1301 001	01 (1104)		an onde	type sensers)			
					-1.6											
							te Colo	r (Rec	wired)							
						1 000 Pla										
						-WMW	Warm V	Vhite Lo	ogo Plate	Color						
						-WMW -GRY	Warm V Gray Lo	White Lo	ogo Plate e Color	Color						
						-WMW -GRY	Warm V Gray Lo Specia	Vhite Lo ogo Plat	ogo Plate e Color ry Config	Color	— List in	Alpha o	rder as needed	(-ES-SDO)	(Skip if not i	equired)
						-WMW -GRY	Warm V Gray Lo Specia -ES	White Lo ogo Plat I Factor Externa	ogo Plate e Color ry Config al Temp S	Color Jurations	— List in quires ser	Alpha o	rder as needed purchased 10K-2	(-ES-SDO) sensor), (N	(Skip if not i	required) th humidity)
						-WMW -GRY	Warm V Gray Lo Specia -ES -SDO	White Lo ogo Plat I Factor Externa Setpoir	ogo Plate e Color ry Config al Temp S nt Display	Color gurations Sensor (Re r Only	— List in quires sep	Alpha o parately p	rder as needed purchased 10K-2	(-ES-SDO) sensor), (N	(Skip if not i ot available wi	required) th humidity)
						-WMW -GRY	Warm V Gray Lo Specia -ES -SDO	Vhite Lo ogo Plat I Factor Externa Setpoir Setpoir	ogo Plate e Color ry Config al Temp S nt Display nt Outpu	Color gurations Sensor (Re Only t Value Ra	— List in quires sep inge (S	Alpha o parately p Skip if no	rder as needed purchased 10K-2 ot required)	(-ES-SDO) sensor), (N	(Skip if not i ot available wi	required) th humidity)
						-WMW -GRY	Warm V Gray Lo Specia -ES -SDO	Vhite Lo ogo Plat Factor Externa Setpoir Setpoi	ogo Plate e Color ry Config al Temp S nt Display nt Outpu	Color gurations Gensor (Re Only to Value Ra Desired Ra	— List in quires sep inge (S	Alpha o parately p Skip if no Designa	rder as needed purchased 10K-2 ot required) ator Desi	(-ES-SDO) sensor), (N red Range	(Skip if not r ot available wi Designator	required) th humidity
						-WMW -GRY	Warm V Gray Lo Specia -ES -SDO	Vhite Lo ogo Plat I Factor Externa Setpoir Setpoi -#	ogo Plate e Color ry Config al Temp S nt Display nt Outpu	Color gurations Sensor (Re Only It Value Ra Desired Ra O to 20ΚΩ	— List in quires sep Inge (S nge	Alpha o barately p Skip if no Designa 80	rder as needed purchased 10K-2 ot required) ator <u>Desi</u> 10K	(-ES-SDO) sensor), (N red Range to 30KΩ	(Skip if not r ot available wi Designator 84	required) th humidity
						-WMW -GRY	Warm V Gray Lo Specia -ES -SDO	Vhite Lo ogo Plat I Factor Externa Setpoir Setpoi -#	al Temp S al Temp S nt Display nt Outpu	Color gurations Sensor (Re Only t Value Ra Desired Ra 0 to 20KΩ 1.75K to 24	— List in quires sep inge (S nge .75KΩ	Alpha o parately p Skip if no Designo 80 81	rder as needed purchased 10K-2 ot required) ator <u>Desi</u> 10K 0 to 1	(-ES-SDO) sensor), (N red Range to 30KΩ 5V*	(Skip if not r ot available wi <u>Designator</u> 84 00	required) th humidity <u>;</u>
						-WMW -GRY	Warm V Gray Lc Specia -ES -SDO	White Lo ogo Plat I Factor Externa Setpoir Setpoi -#	al Temp S nt Display nt Outpu	Color Gensor (Re Only t Value Ra Desired Ra 0 to 20ΚΩ 1.75K to 24 3.19K to 26	— List in quires sep inge (S inge .75KΩ .19KΩ	Alpha o parately p Skip if no Designa 80 81 82	rder as needed purchased 10K-2 ot required) ator Desi 10K 0 to : 0 to :	(-ES-SDO) sensor), (N red Range to 30KΩ 5V* 10V*	(Skip if not i ot available wi <u>Designator</u> 84 00 10	required) th humidity
						-WMW -GRY	Warm V Gray Lc Specia -ES -SDO	Vhite Lo ogo Plat Factor Externa Setpoir Setpoi -#	al Temp S al Temp S at Display nt Outpu	Color Sensor (Re Only It Value Ra Desired Ra 0 to 20KΩ 1.75K to 24 3.19K to 26 7.87K to 27	— List in quires sep inge (S nge .75KΩ .19KΩ .87KΩ	Alpha o parately p Skip if no Designa 80 81 82 83	rder as needed purchased 10K-2 ot required) ator <u>Desi</u> 10K 0 to 3 0 to See	(-ES-SDO) sensor), (N red Range to 30KΩ 5V* 10V* App. Notes,	(Skip if not r ot available wi Designator 84 00 10 pg l2 for more	required) th humidity th numidity
						-WMW -GRY	Warm V Gray Lo Specia -ES -SDO	Vhite Lo ogo Plat I Factor Externa Setpoir Setpoi -#	orgo Plate e Color ry Config al Temp S at Display nt Output C 4 6 7 7 Overrid	Color gurations - Sensor (Re (Only t Value Ra Desired Ra) to 20KΩ 1.75K to 24 3.19K to 26 7.87K to 27 e Output -	— List in quires sep nge .75ΚΩ .19ΚΩ .87ΚΩ – Momen	Alpha o parately p Skip if no <u>Designa</u> 80 81 82 83 tary for	rder as needed purchased 10K-2 ot required) ator Desi 10K 0 to 3 to See 3-5 seconds	(-ES-SDO) sensor), (N red Range to 30KΩ 50* 10V* App. Notes, (Required)	(Skip if not i ot available wi Designator 84 00 10 pg I2 for more	required) th humidity th numidity
						-WMW -GRY	Warm V Gray Lo Specia -ES -SDO	White Lo ogo Plat I Factor Externa Setpoir Setpoi -#	orgo Plate e Color ry Config al Temp S at Display nt Output C 4 6 7 7 0verrid	Color gurations Sensor (Re / Only t Value Ra Desired Ra Desired Ra 0 to 20K0 1,75K to 24 3,19K to 26 7,87K to 27 e Output - Dry Conta	— List in quires sep nge (\$.75ΚΩ .19ΚΩ .87ΚΩ – Momen ct Overric	Alpha o parately p Skip if no Design: 80 81 82 83 tary for ie on dec	order as needed purchased 10K-2 ot required) ator Desi 10K 0 to 5 co See 3-5 seconds dicated terminals	(-ES-SDO) sensor), (N red Range to 30KΩ 5V* 10V* App. Notes, (Required) (Not Availat	(Skip if not tr ot available wi Designator 84 00 10 pg l2 for more ble for Humidit	required) th humidity ranges y Units)
						-WMW -GRY	Warm V Gray Lc Specia -ES -SDO	White Lo ogo Plat I Factor Externa Setpoir Setpoi -#	pigo Plate e Color ry Config al Temp S al Temp S th Display nt Outpu C 4 6 7 7 0 Verrid -J -M	Color gurations of Sensor (Re of Only tt Value Ra Desired Ra 0 to 20KΩ 1.75K to 24 6.19K to 26 7.87K to 27 e Output - Dry Conta Override i Override i	— List in quires sep inge (\$.75ΚΩ .19ΚΩ .87ΚΩ – Momen ct Overric n Parallel	Alpha o parately p Skip if no Design: 80 81 82 83 tary for de on dec (//) with	rder as needed purchased 10K-2 ot required) ator Desi 10K 0 to 0 to See 3-5 seconds dicated terminals RH signal	(-ES-SDO) sensor), (N red Range to 30KΩ 5V* 10V* App. Notes, (Required) (Not Availat	(Skip if not t ot available wi Designator 84 00 10 pg l2 for more ble for Humidit	equired) th humidity ranges y Units)
						-WMW -GRY	Warm V Gray Lc Specia -ES -SDO	White Lo ogo Plat I Factor Externa Setpoir Setpoi -#	orgo Plate e Color y Config al Temp S al Temp S th Display nt Outpu C 4 6 7 7 Overrid -J -M -N	Color gurations of Sensor (Re coniy) tt Value Ra Desired Ra 0 to 20KΩ 1.75K to 24 0.19K to 26 C.87K to 27 e Output - Dry Conta Override i Override i	— List in quires sep nge (\$.75KΩ .19KΩ .87KΩ – Momen ct Overric n Parallel n Parallel	Alpha o parately p Design: 80 81 82 83 tary for de on dec (//) with (//) with	rder as needed purchased 10K-2 ot required) ator Desi 10K 0 to 5 co 5 seconds dicated terminals RH signal Sensor	(-ES-SDO) sensor), (N red Range to 30KΩ 5V* 10V* App. Notes, (Required) (Not Availal	(Skip if not t ot available wi Designator 84 00 10 pg I2 for more ble for Humidit	equired) th humidity ranges y Units)
						-WMW -GRY	Warm V Gray Lc Specia -ES -SDO	Vhite Lo ogo Plat I Factor Externa Setpoir Setpoi -#	bigo Plate ego Plate e Color y Config al Temp S th Display nt Outpu	Color gurations Sensor (Re Conly t Value Ra Desired Ra Do co2KD 0 to 20KD 0 to 2	– List in quires sep nge (\$.75KΩ .19KΩ .87KΩ – Momen ct Overric n Parallel n Parallel n Parallel	Alpha o parately p Design: 80 81 82 83 tary for de on dec (//) with (//) with (//) with	rder as needed purchased 10K-2 ot required) ator Desi 10K 0 to 5 ee 3-5 seconds dicated terminals RH signal Sensor Setpoint	(-ES-SDO) sensor), (N red Range to 30KΩ 5V* 10V* App. Notes, (Required) (Not Availat	(Skip if not i ot available wi Designator 84 00 10 pg I2 for more ble for Humidit	equired) th humidity ranges y Units)
						-WMW -GRY	Warm V Gray Lc Specia -ES -SDO	White Leoport	bigo Plate e Color y Config al Temp S at Display nt Outpu C 4 6 7 0verrid -J -N -P -Z	Color gurations Sensor (Re / Only t Value Ra Desired Ra 0 to 20KO 10 to 20KO 10 to 20KO 10 to 20KO 10 to 20KO 0 to 20KO	– List in quires seg nge (\$.75ΚΩ .19ΚΩ .87ΚΩ – Momen ct Overric n Parallel n Parallel n Parallel de	Alpha o parately p Skip if no Designi 80 81 82 83 tary for de on dec (//) with (//) with (//) with	rder as needed purchased 10K-2 ot required) ator Desi 10K 0 to 0 to See 3-5 seconds dicated terminals RH signal Sensor Setpoint	(-ES-SDO) sensor), (N red Range to 30KΩ 5V* 10V* App. Notes, (Required) (Not Availat	(Skip if not i ot available wi Designator 84 00 10 pg I2 for more ble for Humidit	equired) th humidity) ranges y Units)
						-WMW -GRY	Warm V Gray Lc Specia -ES -SDO	White Leoport	e Color ry Config al Temp S th Display nt Outpu C 4 6 7 Overrid -J -M -N -P -Z	Color gurations Sensor (Re o Only t Value Ra Desired Ra Desired Ra Desired Ra Desired Ra Oto 20KΩ .75K to 24 .19K to 26 .75K to 27 o Output- Dry Conta Override i Override i No Override No Override	– List in quires seg nge (\$.75KΩ .19KΩ .87KΩ – Momen ct Overric n Parallel n Parallel de midity O	Alpha o parately p Skip if no Design: 80 81 82 83 (tary for de on dec (//) with (//) with (//) with	rder as needed purchased 10K-2 ot required) ator Desi 10K 0 to 0 to 0 to 0 to 0 to 0 to 0 to 0 to	(-ES-SDO) sensor), (Ν red Range to 30KΩ 5V* 10V* App. Notes, (Required) (Not Availat	(Skip if not r ot available wi Designator 84 00 10 pg I2 for more ble for Humidit	equired) th humidity ranges y Units)
						-WMW -GRY	Warm V Gray Lo Specia -ES -SDO	White Logo Plat go Plat I Factor Externa Setpoir -#	e Color ry Config al Temp S th Display nt Outpu C C C Overrid -J -M -N -P -Z	Color urations Sensor (Re only t Value Ra Desired Ra Desired Ra Desired Ra Desired Ra Color Colo	– List in quires sep inge (\$.75KΩ .19KΩ .87KΩ – Momen ct Overric n Parallel n Parallel de midity Ot Humidity Ot	Alpha o parately p Skip if no Design: 80 81 82 83 tary for de on dec (//) with (//) with (//) with (//) with (//) with (//) output 0	rder as needed purchased 10K-2 ot required) ator Desi 10K 0 to 0 to 8ee 3-5 seconds dicated terminals RH signal Sensor Setpoint lue (Skip if 0-5V = 0-100%RH	(-ES-SDO) sensor), (Ν red Range to 30KΩ 5V* 10V* App. Notes, (Required) (Not Availat humidity is 4 (Commor	(Skip if not tr ot available wi Designator 84 00 10 pg l2 for more ble for Humidit	required) th humidity ranges y Units)
						-WMW -GRY	Warm V Gray Lc Specia -ES -SDO	White Lc go Plat Facto Externa Setpoir -#	ggo Plate e Color ry Config al Temp S tt Display nt Outpu <u><u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u> <u></u></u>	Color gurations Sensor (Re (Only t Value Ra Desired Ra Desired Ra Desired Ra Desired Ra Oto 20KΩ 1.75K to 24 3.19K to 26 0.47K to 27 e Output - Dry Conta Override i Override i Override i No Overri Room Hu -M00 -M10	– List in quires sep inge (\$.75ΚΩ .19ΚΩ .87ΚΩ – Momen ct Overric n Parallel n Parallel n Parallel de midity Ot Humidity Humidity	Alpha o parately p barately p Bkip if no 80 81 82 83 tary for le on dec (//) with (//) with (//) with (//) with Utput Va Output 0 Output 0	rder as needed purchased 10K-2 ot required) ator Desi 10K 0 to 0 to 8 co 3-5 seconds dicated terminals RH signal Sensor Setpoint hue (Skip if 0-5V = 0-100%RH	(-ES-SDO) sensor), (N red Range to 30KΩ 5V* 10V* App. Notes, (Required) (Not Availat (Not Availat	(Skip if not ri ot available wi Designator 84 00 10 pg 12 for more ble for Humidit c not required a ground only) on ground only	equired) th humidity ranges y Units)
						-WMW -GRY	Warm V Gray Lo Specia -ES -SDO	White LL go Plat I Factol Externa Setpoir Setpoi #	overrid -N -P -Z	Color gurations Sensor (Re Cony tt Value Re Desired Ra to to 20K0 10 to 20K0 10 to 20K0 10 to 20K0 10 to 20K0 10 to 20K0 10 to 20K0 0 to 20K0	– List in quires sep inge (\$ nge .75ΚΩ .19ΚΩ .87ΚΩ – Momen ct Overric n Parallel n Parallel n Parallel de midity Ot Humidity Humidity Humidity	Alpha o parately p Bkip if no Designs 80 81 82 83 tary for de on dec (//) with (//) with (//) with (//) with utput Va Output 0 Output 0	rder as needed purchased 10K-2 ot required) ator Desi 10K 0 to 0 to 5 ee 3-5 seconds dicated terminals RH signal Sensor Setpoint tue (Skip if 0-5V = 0-100% Rt 0-5V = 0-100% Rt	(-ES-SDO) sensor), (N red Range to 30KΩ 5V* 10V* App. Notes, (Required) (Not Availal (Not Availal humidity is 4 (Commor H (Commor H (Commor G (Skip if	(Skip if not ri ot available wi Designator 84 00 10 pg I2 for more ble for Humidit ble for Humidit not required on ground only not required	equired) th humidity) ranges y Units)
						-WMW -GRY	Warm \u00e9 Gray LcC Specia -ES -SDO	White Lt. go Plata I Factor Externa Setpoin -#	overrid -N -P -Z	Color gurations Sensor (Re / Only t Value Re Desired Ra 0 to 20KD 0 to	– List in quires sep nge (\$ nge .75ΚΩ .19ΚΩ .87ΚΩ – Momen ct Overric n Parallel n Parallel n Parallel n Parallel de midity Ot Humidity Humidity Room Te -102	Alpha o parately p Bkip if no Bosigni 80 81 82 83 tary for de on dec (//) with (//) with (//) with utput Va Output 0 Output 0 Output 0	rder as needed purchased 10K-2 ot required) ator Desi 10K 0 to 0 to 5 ee 3-5 seconds dicated terminals RH signal Sensor Setpoint tue (Skip if 0-5V = 0-100%RF 0-5V = 0-100%RF D-5V = 0-100%RF ure Output Valu	(-ES-SDO) sensor), (N red Range to 30KΩ 5V* 10V* App. Notes, (Required) (Not Availat (Not Availat humidity is 1 (Commor tH (Commor c) (Skip if)	(Skip if not i ot available wi Designator 84 00 10 pg I2 for more ble for Humidit in for equired a ground only) on ground only) (-2, 10KQ @ 2	equired) th humidity ranges y Units))) 5°C
						-WMW -GRY	Warm Iu Gray Lc Specia -ES -SDO	White L. La ogo Plat I Factori Externa Setpoin -#	overrid -J -N -Z -Z	Color gurations Sensor (Re Conly t Value Ra Desired Ra Desired Ra Desired Ra 0 to 20KD 0 t	– List in quires sep nge (\$.75ΚΩ .19ΚΩ .87ΚΩ – Momen ct Overric n Parallel n Parallel n Parallel de midity Ot Humidity Humidity Room Te -102 -103	Alpha o parately p Skip if nd 80 81 82 83 (tary for de on dec (//) with (//) with (//) with (//) with utput Va Output 0 Output 0 Output 0 Thermis Thermis	rder as needed purchased 10K-2 ot required) ator Desi 10K 0 to 0 to See 3-5 seconds dicated terminals RH signal Sensor Setpoint Setpoint Setpoint Setpoint Setpoint Setpoint stor Temperature stor Temperature	(-ES-SDO) sensor), (N red Range to 30KΩ 5V* 10V* App. Notes, (Required) (Not Availat humidity is 4 (Commor ch (Commor ch (Commor c) (Skip if Output, 10K Output, 10K	(Skip if not i ot available wi Designator 84 00 10 pg I2 for more ble for Humidit cont required n ground only not required not required (-2, 10KΩ @ 2	equired) th humidity ranges y Units)) 5°C
						-WMW -GRY	Warm In Gray Ld Specia -ES -SDO	Vhite Ld go Plat Factor Externa Setpoi -#	overrid -N -P -Z	Color urations Sensor (Re conly t Value Ra Desired Ra Desir	- List in quires sep nge .75KΩ .19KΩ .87KΩ - Momen -	Alpha o parately p Skip if no Bosigni 80 81 82 83 83 tary for 6e on dec (//) with (//)	rder as needed purchased 10K-2 ot required) ator Desi 10K 0 to 0 to 0 to See 3-5 seconds dicated terminals RH signal Sensor Setpoint dicated terminals dicated terminals RH signal Sensor Setpoint dicated terminals dicated	(-ES-SDO) sensor), (N red Range to 30KΩ 5V* 10V* App. Notes, (Required) (Not Availat (Commor H (Commor H (Commor G (Skip if Output, 10K Output, 10K-3 w1 10K-3 w1	(Skip if not t ot available wi Besignator 84 00 10 pg I2 for more ble for Humidit ble for Humidit in not required or ground only not required) <-2, 10KΩ @ 2 (-3, 10KΩ @ 2	ranges y Units) 5°C 380 @ 25°
						-WMW -GRY	Warm In Gray Ld Specia -ES -SDO	White LL page Plat Factor Externa Setpoi -#	overrid 	Color urations Sensor (Re c Only t Value Ra Desired Ra Desired Ra Desired Ra Color	- List in quires sep nge .75KΩ .19KΩ .87KΩ - Momen ct Overrice n Parallel n Parallel n Parallel de midity Ot Humidity Humidity Humidity Room Te -102 -103 -10311 -00	Alpha o parately p Bkip if no Besigns 80 81 82 83 stary for de on dec (//) with (//) w	rder as needed purchased 10K-2 ot required) ator Desi 10K 0 to 0 to 0 to See 3-5 seconds dicated terminals RH signal Sensor Setpoint blue (Skip if 0-5V = 0-100%R 0-10V = 0-10V = 0-10%R 0-10V = 0-10%R = 0	(-ES-SDO) sensor), (N red Range to 30KΩ 5V* 10V* App. Notes, (Required) (Not Availat (Commor H (Commor Ch (Commor Ch (Commor G (Skip if Output, 10K Output, 10K 10K-3 w/1 utput Range	(Skip if not tr ot available wi Besignator 84 00 10 pg l2 for more ble for Humidit ble for Humidit a ground only no ground only not required (-2, 10KΩ @ 2 1KΩ shunt, 52 (Common gr	ranges y Units) 5°C 380 @ 25°
						-WMW -GRY	Warm In Gray Ld Specia -ES -SDO	White LL orgo Plat Factor Externa Setpoir Setpoir -#	overrid 	Color Jurations Sensor (Re (Only t Value Ra Desired Ra Desired Ra Desired Ra Color (No 20KΩ 1.75K to 24 0.15K to 27 0.47K to 27K to 27	- List in quires sep nge (\$.75KΩ .19KΩ .87KΩ - Momen ct Overric n Parallel n Parallel n Parallel de midity Ot Humidity Room Te -102 -103 -10311 -00 -10	Alpha o parately p barately p 80 81 82 83 tary for de on dec (//) with (//)	rder as needed purchased 10K-2 ot required) ator Desi 10K 0 to 10K 0 to 20K 0 to 20K 0 to 30K 0 to 30K	(-ES-SDO) sensor), (N red Range to 30KΩ 5V* 10V* App. Notes, (Required) (Not Availal (Not Availal (Commor H (Commor H (Commor Gutput, 10K Output, 10K 10K-3 w/1 utput Range Output Range	(Skip if not tr ot available wi Designator 84 00 10 pg l2 for more ble for Humidit cont required n ground only not required (-2, 10KΩ @ 2 (-3, 10KΩ @ 2 1KΩ shunt, 52 e (Common gr (-2, Common gr	equired) th humidity ranges y Units) y 5°C 5°C 5°C 38Ω @ 25° ad only) md only)
						-WMW -GRY	Warm Iu Gray Lc Special -ES -SDO	White LL ogo Plat Factor Externa Setpoir -#	overrid X Z	Color gurations Sensor (Re r Only It Value Ra Desired Ra 0 to 20K0 1.75K to 24 5.19K to 26 .87K to 27 e Output - Dry Conta Override i Override i Override i No Overrid -M00 M10	- List in quires sep nge (\$ nge .75KΩ .19KΩ .87KΩ - Momen ct Overric n Parallel n Parallel n Parallel n Parallel de midity Ot Humidity Humidity Humidity -102 -103 -10311 -00 -10	Alpha o parately p Designs, 80 81 82 83 tary for de on dec (//) with (//) wi	rder as needed purchased 10K-2 ot required) ator Desi 10K 0 to 0 to See 3-5 seconds dicated terminals RH signal Sensor Setpoint tue (Skip if 0-5V = 0-100%Rt 0-5V = 0-100%Rt 0-10V = 0-10%Rt 0-10V = 0-10%Rt 0-10V = 0-10%Rt 0-10V = 0-10%Rt 0-10V = 0-10%Rt 0-10V = 0-10%Rt 0-10V = 0-10%Rt 0-10V = 0-10%Rt 0-10V = 0-10%Rt 0-10V = 0-10%Rt 0-10V = 0-10%Rt	(-ES-SDO) sensor), (N red Range to 30KΩ 5V* 10V* App. Notes, (Required) (Not Availat (Not Availat (Commor H (Commor H (Commor Gutput, 10K Output, 10K-3 w/ 1 utput Range Output Range Output Range (Stip If	(Skip if not t ot available wi Designator 84 00 10 pg l2 for more ble for Humidit ble for Humidit con ground only no ground only no ground only (<-2, 10KΩ @ 2 (<-3, 10KΩ @ 2 1KΩ shunt, 52 e (Common gr ge (Common gr ge (Common gr	equired) th humidity ranges y Units)) 5°C 5°C 5°C 38Q @ 25° nd only) rmd only)
						-WMW -GRY	Warm Iu Gray Lc Specia -ES -SDO	Vhite Ld ogo Plata I Factor Externa Setpoir -#	overrid -N -P -Z	Color gurations Sensor (Re Cony tt Value Ra Desired Ra 0 to 20K0 0 to	– List in quires sep nge (\$ nge .75ΚΩ .19ΚΩ .87ΚΩ – Momen ct Overric n Parallel n Parallel n Parallel n Parallel de midity Ot Humidity Humidity Humidity -102 -103 -10311 -00 -10	Alpha o parately p Bkip if no Besign: 80 81 82 83 tary for de on dec (//) with (//) wi	rder as needed purchased 10K-2 ot required) ator Desi 10K 0 to 0 to 5 ec 3-5 seconds dicated terminals RH signal Sensor Setpoint due (Skip if 0-5V = 0-100%RF Ure Output Valu stor Temperature stor Temperature st	(-ES-SDO) sensor), (N red Range to 30KΩ 5V* 10V* App. Notes, (Required) (Not Availal (Not Avail	(Skip if not ri ot available wi Designator 84 00 10 pg I2 for more ble for Humidit ble for Humidit con ground only) on ground only) on ground only) on ground only) on ground only) c.2, 10KΩ @ 2 (-3, 10KΩ @ 2 IKΩ shunt, 52 e (Common gr uired) e and voltane.	equired) th humidity ranges y Units) 5°C 5°C 5°C 38Ω @ 25' d only) md only) outputs
						-WMW -GRY	Warm In Gray Ld Special -ES -SDO	Vhite Ld go Plat Factor Externa Setpoi -#	overrid overrid -N -Z	Color urations : Sensor (Re (Only t Value Re Desired Ra Desired Ra Des	- List in quires sep nge (\$.75KΩ .19KΩ .87KΩ - Momen ct Overric n Parallel de midity Ot Humidity Humidity Room Te -103 -103 -103	Alpha o parately p Skip if no 80 81 82 83 stary for 6e on dec (//) with (//)	rder as needed purchased 10K-2 ot required) ator Desi 10K 0 to 1 0 to 0 to 0 to 0 to 0 to 0 to 0 to 0 to	(-ES-SDO) sensor), (Ν red Range to 30KΩ 5V* 10V* App. Notes, (Required) (Not Availat (Commor H (Commor H (Commor Gutput, 10K Output, 10K Output, 10K Output, 10K Output, 10K-3 w1 10K-3 w1 10K-3 w1 10K-3 w1 10K-3 w1 0 m (Required)	(Skip if not t ot available wi Designator 84 00 10 pg I2 for more ble for Humidit ble for Humidit contrequired or ground only not required (-2, 10KΩ @ 2 4KΩ shunt, 52 a (Common gr utred) re and voltage ive outbuts	ranges y Units) 5 °C 5 °C 38Q @ 25° ad only) rnd only) outputs
XAMPLE						-WMW -GRY	Warm In Gray Ld Specia -ES -SDO	Vhite Ld go Plat Factor Externa Setpoi -#	overrid -N -P -Z	Color urations Sensor (Re conly t Value Ra Desired Ra Desired Ra Desired Ra Desired Ra Color Col	- List in quires sep nge .75KΩ .19KΩ .87KΩ - Momen n Parallel n Parallel n Parallel de midity Ot Humidity Humidity Humidity Com Te -102 -103 -10311 -00 -10	Alpha o parately p Skip if no 80 81 82 83 stary for 6 on dec (//) with (//)	rder as needed purchased 10K-2 ot required) ator Desi 10K 0 to 3 0 to 4 0 to 4	(-ES-SDO) sensor), (N red Range to 30KΩ 5V* 10V* App. Notes, (Required) (Not Availat (Commor H (Commor H (Commor Cutput, 10K Output, 10K Output, 10K Output, 10K Output, Rang Output Rang ion (Required) d for resistiv nd for resistiv	(Skip if not i ot available wi Besignator 84 00 10 pg I2 for more ble for Humidit ble for Humidit is not required or ground only not required) (-2, 10KΩ @ 2 (-3, 10KΩ @ 2) (-2, 10KΩ @ 2 (-3, 10KΩ @ 2) (-2,	ranges y Units) 5 ° C 380 @ 25' rd only) rnd only) outputs
(AMPLE A/BS4SCOM	-F		-2	P	-L6	-WMW -GRY	Warm In Gray Ld Specia -ES -SDO	Vhite Li orgo Plat Factor Externa Setpoi -#	Color ry Config al Temp S the Display nt Output Coverrid -J -M -N -P -Z -N	Color urations Sensor (Re (Only t Value Ra Desired Ra Desired Ra Desired Ra Desired Ra (Only TSK to 24 (3.19K to 26 (3.79K to 27 (3.79K t	- List in quires sep nge (\$.75KΩ .19KΩ .87KΩ - Momen n Parallel n Parallel n Parallel n Parallel de midity Ot Humidity Humidity Humidity Humidity -103 -103 -10	Alpha o parately p Bkip if no Bosigni 80 81 82 83 tary for de on dec (//) with (//) wi	rder as needed purchased 10K-2 ot required) ator Desi 10K 0 to 3 to 5 seconds dicated terminals RH signal Sensor Setpoint 10V = 0-100%R 0-10V = 0-10%R 0-10V = 0-10%R = 0-	(-ES-SDO) sensor), (Ν red Range to 30KΩ 5V* 10V* App. Notes, (Required) (Not Availat (Not Availat (Not Availat (Not Availat (Not Availat (Not Availat (Not Availat (Not Availat) (Not Availat (Not Availat) (Not Av	(Skip if not tr ot available with Besignator 84 00 10 pg l2 for more ble for Humidit ble for Humidit cont required a ground only not required a ground only not required (-3, 10KΩ @ 2 1KΩ shunt, 52 (Common gr ge (Common gr uired) re and voltage tive outputs	ranges y Units)) 5°C 38Ω @ 25° d only) mrd only) outputs
(AMPLE A/BS4SCOM VBS4SCOM-F		L6-WM	- <u>-</u> C W-82-	- P N-100	-L6 3-DF -	-WMW -GRY BS4 sens	Warm In Gray Lc Specia -ES -SDO	Vhite Li orgo Plat Factor Externa Setpoir Setpoir -#	ggo Plate e Color ry Config al Temp S tt Display nt Outpu 4 6 7 0verrid -J -M -N -P -Z	Color Jurations Sensor (Re (Only It Value Re Desired Ra Desired Ra Desired Ra Oto 20KΩ I.75K to 24 S.19K to 26 C.87K to 27 e Output - Dry Conta Override i Override i Ove	- List in quires sep nge (\$ nge .75KΩ .19KΩ .87KΩ - Momen ct Overric n Parallel n Parallel n Parallel n Parallel Mumidity Ot Humidity Room Te -102 -103 -10311 -00 -10 -10 -103 puts for se	Alpha o parately p Design: 80 81 82 83 tary for de on dec (//) with (//) wit	rder as needed purchased 10K-2 ot required) ator Desi 10K 0 to 2 0 to 3 0 to 3 8 3-5 seconds dicated terminals RH signal Sensor Setpoint 10V = 0-100%R 3-5V = 0-100%R 3-5V = 0-100%R 10V = 0-10%R 10V = 0-10%R	(-ES-SDO) sensor), (N red Range to 30KΩ 5V* 10V* App. Notes, (Required) (Not Availat (Not Availat (Not Availat (Commor H (Commor H (Commor Gutput, 10K Output, 10K Output, 10K (10K-3 w/1 utput Range ion (Requ d for resistiv and for resistiv and for resistiv	(Skip if not ti ot available wi Designator 84 00 10 pg l2 for more ble for Humidit ble for Humidit a ground only not required (<-2, 10KQ @ 2 (-3, 10KQ @ 2 1KQ shunt, 52 e (Common gr uired) re and voltage live outputs	ranges y Units)) 5°C 5°C 5°C 5°C 5°C 38Ω @ 25° d only) md only) outputs

Call BAPI if you have questions about the above ordering grid or the configuration of the product you are ordering.

