

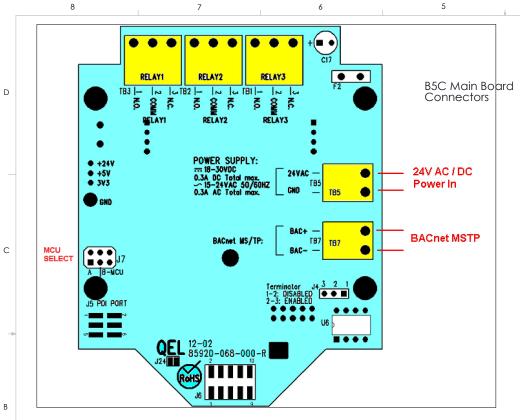
	Factory	Calibra	tion and	l Default Set	tinas					REVISIONS		
		- unor u		2014411 001			ZONE	REV.	DESCRIPTION		DATE	APPRO
	D transmitter procedures.	has bee	n calibrate	d in our facil	lities according to the		-	-	See Sheet1		-	-
SPAN:CAL G	 B5C-C B5C-C AS: 	CO-1000P		0 – 250 ppm 0 – 1000 ppm n air								
e B5C defat	It settings:											
Passwo		4321										
 Addres 	s:	126										
Protoco	ol:	BACnet	/MSTP Ma	aster at 38.4kbps	baud rate							
	t UTC Offset:		300									
	nt Saving:		Yes									
 Device 			4005									
LCD B	acklight:	A	Auto									
4.1	с. <i>и</i> .											
• Alarm			On	Off								
Alarm#	Input			Concentration	Output Trigger							
Alarm1	Instant)ppm	25ppm	Relay1							
Alarm2	Instant)ppm	40ppm	Relay1, Relay2							
Alarm3	Instant		0ppm	95ppm	Relay1,2,3, Buzzer1							
Alarm4	Fault				Relay3, Buzzer3							
larm5/6/7/8			D	Disabled								
• Relay d	& Buzzer Setti	ngs:										
Relay#	Normally	Latch	On Delay	y Off Delay	Style							
Relay1	Energized NO	NO	5 seconds		Normal Relay							
Relay2	NO	NO	5 seconds		Normal Relay							
	NO	NO	5 seconds		Normal Relay							
Relay3				Disabled								
								UNLESS OTHERWISE SPECIFIE	-	DATE	Greystone Energy	/ Systems Ir
Relay3					-			DIMENSIONS ARE IN INCHES TOLERANCES:	DRAWN XY			-,
Relay3 3uzzer1/2/3			in B5C Men	IU Dr. (D5 DIC Sta	tour out)			FRACTIONAL± ANGULAR: MACH± BEND ±	CHECKED XY ENG APPR. XY		B5C, C	FS
Relay3 Buzzer1/2/3 Note: Each s	etting can be r	nodified i	102000	$\mathbf{K} \mathbf{X} (\mathbf{B}) \mathbf{P} \mathbf{U}$ $\mathbf{M} \mathbf{a}^{\prime}$				TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±	MFG APPR.			
Relay3 Buzzer1/2/3 Note: Each s Note: For BA	Cnet settings	, see 8595			unerior to the standard						INSTALLATION	
Relay3 Buzzer1/2/3 Note: Each s Note: For BA Note: Per Ul	Cnet settings standard 20	, see 8595 75, this E	B5C sensitiv		superior to the standard			INTERPRET GEOMETRIC TOLERANCING PER:	Q.A. XY			DRAWIN
Relay3 Buzzer1/2/3 Note: Each s Note: For BA Note: Per Ul	Cnet settings	, see 8595 75, this E	B5C sensitiv		PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF			INTERPRET GEOMETRIC TOLERANCING PER: MATERIAL	Q.A. XY COMMENTS:		SIZE DWG. NO.	DRAWIN
Relay3 Buzzer1/2/3 Note: Each s Note: For BA Note: Per Ul	Cnet settings standard 20	, see 8595 75, this E	B5C sensitiv		PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS	NEXT ASSY	USED ON	TOLERANCING PER:				

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Note:

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- B5C supports BACnet MS/TP master or slave protocol
- B5C default baud rate is 38400bps
- Each B5C on the MS/TP network must have a unique BACnet MAC address and unique Device Instance Number (Object ID).
 - B5C valid MAC addresses are 0-127 for master node, 0-254 for slave node
 - B5C default MAC address is 126
 - Default Device Instance Number is 4005
- Avoid running communication wires or sensor input wires next to AC power wires or the relay output wires. These can be sources of noise that can affect signal quality.
- The B5C has a half wave rectifier on board. You will damage devices if you mix half wave and full wave

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ZONE REV.		DESCI	RIPTION	DATE	APPROVED		
-	-	See S	Sheetl	-	-		

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Twisted Pair?

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RS-485 is designed to be a balanced system. The signal on one wire is ideally the exact opposite of the signal on the second wire. In other words, if one wire is transmitting a high, the other wire will be transmitting a low, and vice versa. Although RS-485 can be successfully transmitted using multiple types of media, it should be used with wiring commonly called "twisted pair."

Terminator Enable/Disable?

The terminator on each end of the RS485 loop is designed to match the electrical impedance characteristic of the twisted pair loop, and will prevent signal echoes from corrupting the data on the line. The terminator should be enabled on BOTH ends of the RS485 loop. Short and medium length modbus/485 loops can operate without the terminating resistor. Longer runs may require the terminating resistors. But adding terminator dramatically increases power consumption.

Sensor Location:

LINE ESS OTHERWISE SPECIEIED.

Several factors should be considered when selecting locations to install sensors. The following general suggestions should be considered to assure the detection of the target gas. Select the most suitable location for each sensor.

1. Air Currents: If there are fans, winds, or others sources of air movement, gases may tend to rise to collect in certain areas of a facility. The local air currents should be assessed to aid in selecting the sensor location. In outdoor situations considerations such as prevailing winds should be accounted for. Air convection can often be more important in determining gas concentrated areas than factors of Vapor Density.

2. Vapor Density: For the target gas heavier than air. Detecting location should be 9 - 18 inch (0.23m to 0.46m) above the floor.

3. Gas Emission Sources: As a rule, at least one sensor should be located in close proximity to each point where a leak is likely to occur. This is particularly important when a liquid having a low volatility is monitored.

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4. Environmental Factors: Designed to rugged outdoor use consider the following in selecting locations. Install sensors where they will be protected from wind, dust, snow, water, vibration and shock.

NAME

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				<insert company="" here="" name=""> IS PROHIBITED.</insert>	APPLICATION DO		DO NOT SCALE DRAWING			SCALE: 1	:2 SH	EET 3 OF 4	
				DRAWING IS THE SOLE PROPERTY OF <insert company="" here="" name="">. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF</insert>	NEXT ASSY	USED ON	MATERIAL FINISH			SIZE DW	/g. no. 35950-302-005	REV	
				PROPRIETARY AND CONFIDENTIAL THE INFORMATION CONTAINED IN THIS			TOLERANCING PER:	COMMENTS					_
	very important who TB5.	en the B5 is connected to a net	work. Make sure the Neutral is	s connected to the GND of			THREE PLACE DECIMAL ±	MFG APPR.		INS	TALLATION DRAV	WING	
١	 When the B5C inp 	ut power is AC, the 24VAC ca	an be either grounded or non-gr				ANGULAR: MACH± BEND ± TWO PLACE DECIMAL ±	ENG APPR.	XY		B5C, GES		A
	on the same AC so source is less probl	urce. Use extreme caution wh	ce. Sharing a common DC			TOLERANCES: FRACTIONAL±	CHECKED	XY	TITLE:				
	4 10	TT ((1	1	C1 ' DC			DIMENSIONS ARE IN INCHES	DRAWN	XY				

