

# TZ200-LX

TZ Room Sensor

Installation Guide



## Description

- Backlight LCD
- Icon driven information
- Local occupancy override
- Mini USB for access to the BACnet MS/TP network
- Optional models with local PIR, RH & CO2 sensing
- Communicates via TZ Comm Bus and a maximum of three can be wired together



Model number	Built-in humidity sensor	Built-in PIR motion sensor	Built-in CO2 NDIR sensor
TZ200-LX			
TZ200MH-LX	✓	✓	
TZ200HC-LX	✓		✓
TZ200MHC-LX	✓	✓	✓

## Technical specifications

<b>Power supply</b>	24 Vac/Vdc ±15%; Class 2
<b>Power consumption</b>	1 VA
<b>Setpoint range</b>	59°F to 82°F [15°C to 27.7°C]
<b>Control accuracy</b>	Temperature: ±0.4°F [± 0.2°C]
<b>Electrical connection</b>	0.8 mm <sup>2</sup> [18-24 AWG accepted; 18 AWG recommended]
<b>Operating temperature</b>	32°F to 122°F [0°C to 50°C]
<b>Storage temperature</b>	-22°F to 122°F [-30°C to 50°C]
<b>Relative humidity</b>	10 to 90 RH% non-condensing
<b>Housing protection level</b>	IP 30 pour [EN 60529]
<b>Weight</b>	0.25lb / 120 Grams

## Dimensions

Dimensions:

A = 4.88" | 124mm

B = 3.25" | 83mm

C = 1.75" | 44mm

D = 0.96" | 24mm

E = 2.07" | 53mm











F = 2.36" | 60mm

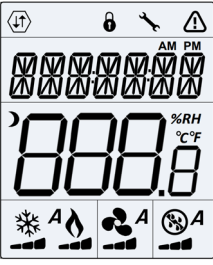
G = 3.28" | 83mm

H = 0.78" | 20mm

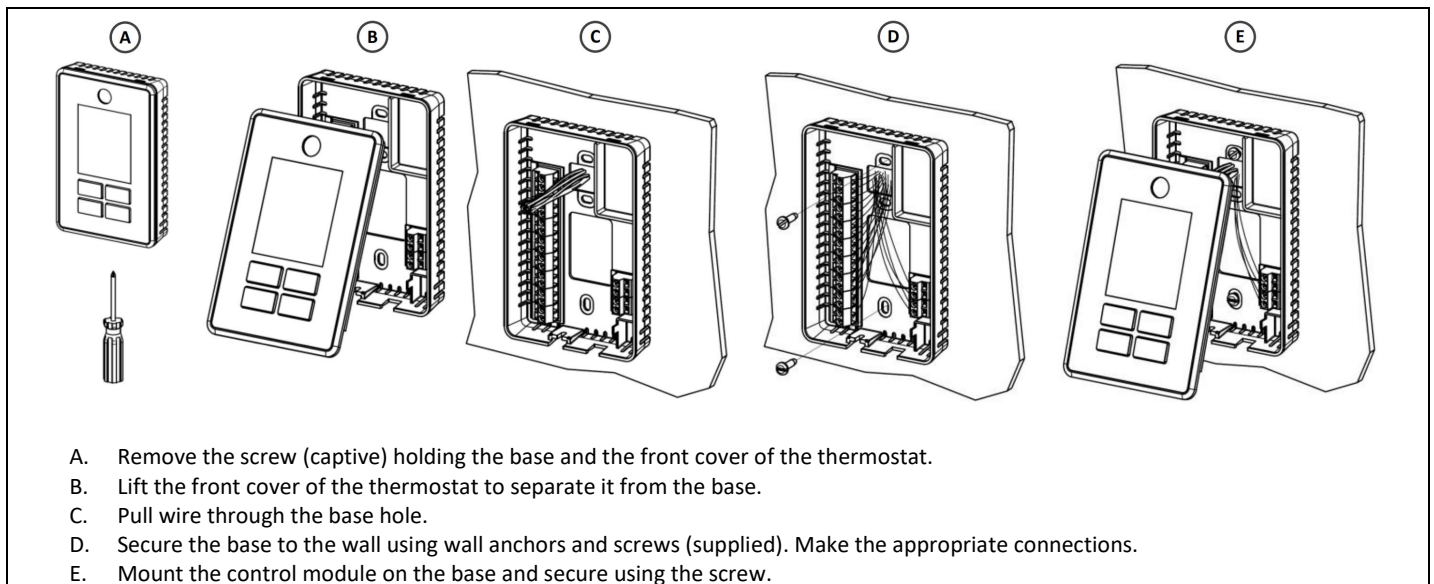
## Presentation

*Symbols on display*

	Network Communication		User Lock		Programming Mode (Technician Setting)
	Alarm Status		Energy Saving Mode (NSB/OCC)	AM PM	Time
	°C: Celsius Scale °F: Fahrenheit Scale	A	Automatic Mode		Cooling
	Heating		Fan		Humidify/De-humidify



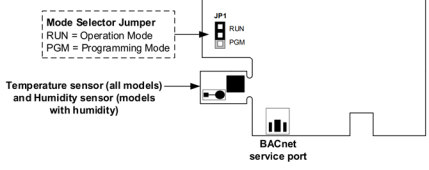
## Mounting Instructions



## Terminal Description

Terminal		TZ100-LX		
TB1	1	Common		
	2	24 Vac		
	3	Unused		
	4	Unused		
	5	Unused		
	6	A+	Communication RS-485 (TZ BUS)	
	7	B-		
	8	MS/TP+	Communication port (BACnet MS/TP)	
	9	MS/TP-		

## Settings on PC Board and addressing the TZ200-LX wall sensor





Mode Selector Jumper  
 RUN = Operation Mode  
 PGM = Programming Mode


Temperature sensor (all models)  
 and Humidity sensor (models  
 with humidity)



BACnet  
 service port


Set the TZ200-LX J1 jumper to PGM

Press the  button to cycle through the configuration menus.


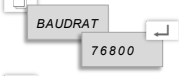

Press  button to cycle through each parameter.

Access any configuration item by pressing  the menu's display screen

Using the  and the  on, adjust each digit to the desired value

When done, press  ce more to confirm the new value

Accept to SAVE by selecting YES at the end

Range of addresses is 1 to 3. The default value is 1. Only use range 1 to 3 for LX UI applications as per the configuration of your BZ424 or BZ122 VAV unit.

Make sure you leave the default baud rate to 76,8 Kbps.

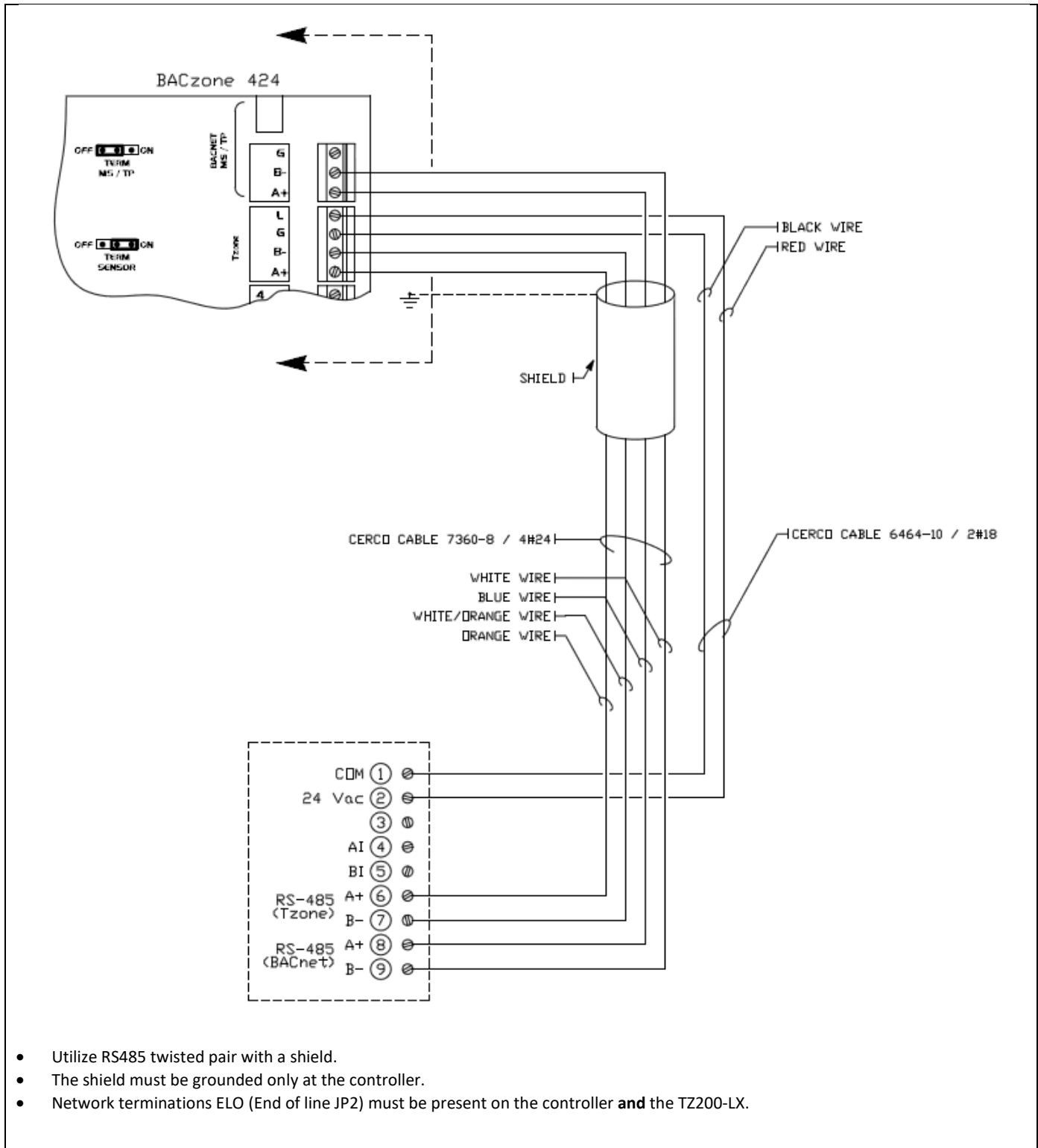
Locate JP1 on the main PCB.

For programming, set it to PGM and reconnect the TZ200-LX to the 24 Vac powered base.

Set both the address and baud rate accordingly & save your settings.

Remove the TZ200-LX from the connector base and reset the JP1 jumper to RUN.

## TZ200-LX and BZ VAV network diagram (1 TZ200-LX)



## TZ200-LX and BZ VAV Network Diagram (≥ 2 TZ200-LX)

