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10 to 90% nonconder 24VAC +20/-10%, 22	to 85 deg C) hsing /A, 50-60Hz (Class 2 Pi	ower Source) or 24 VD	DC +/- 10%, 10W
10 to 90% nonconder	to 85 deg C) nsing		
10 to 90% nonconder	to 85 deg C) 1sing		
-40 to 185 deg F (-40 to 85 deg C) 10 to 90% noncondensing			
-4 to 150 deg F (-20 to 65 deg C) -40 to 185 deg F (-40 to 85 deg C)			
USB 2.0, Isolated, Typ	oe C Conn., connect PC	, with Iso-Tek Insight	
Note: connect to IO N	Module using factory-p	provided cable only	
RJ-45 connector			
audible notifications,	550~18KHz, 83dBA SF	PL @ 1W/0.5M	
800 x 480 pixel			
6.49" x 3.937" (164.9	mm x 100mm)		
RGB 65K colors			
7" LCD-TFT Resistive	touch display with LED) backlight	
e to solo nonconden.			
0 to 95% ponconden	sing		
-4 to 1/6 deg F (-20 t	u au deg C) to 85 deg C)		
Note: connect to IO N	Viodule using Windy Ci	ity Wire # 042003 or e	quivalent
4-pos. screw termina	l 		
Green LED to indicate	e status		
+/- 0.00008"wc (+/- 0).02Pa) per year max		
+/- 3% of reading Not	te: Includes linearity, h	systeresis, and repeata	ability
Max +/- 0.5% d	of reading per 18 deg I	- (10 deg C)	
Span: Typical +/- 0.2%	% of reading per 18 de	g F (10 deg C)	
Offset: Max +/- 0.000			
1ypical: +/- 0.75% of Max: +/- 1.5% of road	reading		
Max: +/- 0.0004"wc (+/- 0.1Pa)		
Typical: +/- 0.00016"	wc (+/- 0.04Pa)		
0.00000335"wc (0.00	083Pa)		
+/- 0.100"wc (+/- 25F	Pa)		
	+/- 0.100" wc (+/- 25F 0.00000335" wc (0.00 Typical: +/- 0.00016" Max: +/- 0.0004" wc (Typical: +/- 0.75% of Max: +/- 1.5% of read Offset: Max +/- 0.000 Span: Typical +/- 0.29 Max +/- 0.5% of +/- 3% of reading Not +/- 0.00008" wc (+/- 0 Green LED to indicate 4-pos. screw termina Note: connect to IO N -4 to 176 deg F (-20 t -40 to 185 deg F (-40 0 to 95% noncondens 7" LCD-TFT Resistive RGB 65K colors 6.49" x 3.937" (164.9 800 x 480 pixel audible notifications, RJ-45 connector Note: connect to IO N USB 2.0, Isolated, Typ -4 to 150 deg F (-20 t	 +/- 0.100"wc (+/- 25Pa) 0.00000335"wc (0.00083Pa) Typical: +/- 0.00016"wc (+/- 0.04Pa) Max: +/- 0.0004"wc (+/- 0.1Pa) Typical: +/- 0.75% of reading Max: +/- 1.5% of reading Offset: Max +/- 0.0004"wc (+/- 0.1Pa) Span: Typical +/- 0.2% of reading per 18 deg Max +/- 0.5% of reading per 18 deg +/- 3% of reading Note: Includes linearity, h +/- 0.00008"wc (+/- 0.02Pa) per year max Green LED to indicate status 4-pos. screw terminal Note: connect to IO Module using Windy Ct -4 to 176 deg F (-20 to 80 deg C) -40 to 185 deg F (-40 to 85 deg C) 0 to 95% noncondensing 7" LCD-TFT Resistive touch display with LEE RGB 65K colors 6.49" x 3.937" (164.9mm x 100mm) 800 x 480 pixel audible notifications, 550~18KHz, 83dBA SF RJ-45 connector Note: connect to IO Module using factory-p USB 2.0, Isolated, Type C Conn., connect PC -4 to 150 deg F (-20 to 65 deg C) 	 +/- 0.100"wc (+/- 25Pa) 0.0000335"wc (0.00083Pa) Typical: +/- 0.00016"wc (+/- 0.04Pa) Max: +/- 0.0004"wc (+/- 0.1Pa) Typical: +/- 0.75% of reading Max: +/- 1.5% of reading Offset: Max +/- 0.004"wc (+/- 0.1Pa) Span: Typical +/- 0.2% of reading per 18 deg F (10 deg C) Max +/- 0.5% of reading per 18 deg F (10 deg C) +/- 3% of reading Note: Includes linearity, hysteresis, and repeata +/- 0.00008"wc (+/- 0.02Pa) per year max Green LED to indicate status 4-pos. screw terminal Note: connect to IO Module using Windy City Wire # 042003 or e -4 to 176 deg F (-20 to 80 deg C) -40 to 185 deg F (-40 to 85 deg C) 0 to 95% noncondensing 7" LCD-TFT Resistive touch display with LED backlight RGB 65K colors 6.49" x 3.937" (164.9mm x 100mm) 800 x 480 pixel audible notifications, 550~18KHz, 83dBA SPL @ 1W/0.5M RJ-45 connect to IO Module using factory-provided cable only USB 2.0, Isolated, Type C Conn., connect PC with Iso-Tek Insight -4 to 150 deg F (-20 to 65 deg C)

SHEET:

12-12-24

OF 4

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REV. DATE:

DIMENSIONS





INSTALLATION

Display Module

The Display Module is designed to be installed onto a standard double or triple-gang electrical box (e-box) provided by others. The e-box is typically located at eye-level at the entrance of the room being monitored.

Step 1: Install the e-box level & flush with finished wall surface. Insert Display Cable from e-box through the hole Step 2: located in the Display Mounting Plate. **Step 3:** Position the Display Mounting Plate with the

- arrow UP and secure to e-box using the (4) #6-32 x 1" long screws provided.
 - **CAUTION:** Do not overtighten mounting screws. Overtightening may deform mounting plate .
- Step 4: Align the notches in the top of Display with slots in the top of the Mounting Plate.
- Step 5: Tighten the (2) screws located at the bottom of the Display to secure the Bezel to the Backplate.

IO Module

The IO Module enclosure includes 4 flanges with 0.2" dia holes provided for securing the IO Module to a wall or panel plate. The IO Module is typically located in the vicinity of the room above the ceiling or inside a control panel that is within the range of the display cable provided.

DO NOT REMOVE **SCREWS**

Secure IO Module to mounting surface using either (4) #8 or #10 screws (Provided by others).

For sheetrock installation, use the appropriate wall anchors (provided by others).



SUBMITTAL DRAWING

Iso-Tek[®]

Sensor Probe & Reference Probe

The Sensor and Reference Probes are designed to be installed onto a single-gang electrical box (e-box). The sensor probe shall be located inside of the pressurized space and the reference probe shall be installed outside the pressurized space in a location designated as the reference pressure zone for the room being monitored. Both probes shall be located in areas that will not be influenced by air currents from supply diffusers, fans, personnel, etc..

- Step 1: Install the e-box level & flush with finished wall surface.
- Step 2: Run field tubing (by others) from Sensor Probe e-box to Reference Probe e-box.
- field tubing to the barb fitting on the Sensor Probe and Reference Probe.



- Step 4: Remove airflow deflector plates on both probes to reveal mounting holes by pulling outwards on the side tabs.
- Step 5: Position the Probe with the arrow UP and secure to e-box using the (2) #6-32 x 1" long screws with attached gasket provided.

CAUTION: Do not overtighten mounting screws. Overtightening may deform mounting plate .

Step 6: After installation is complete, reattach the airflow deflector plates.

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CUTROL

Step 3: Each probe is provided with a short length of kink-proof tubing with a ¹/₄" barb fitting. Connect the



DWG. NO:	Iso-Tek SUBMITTAL		
REVISION :	H ECN: 3023		
REV. DATE:	12-12-24	SHEET:	3 OF 4



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