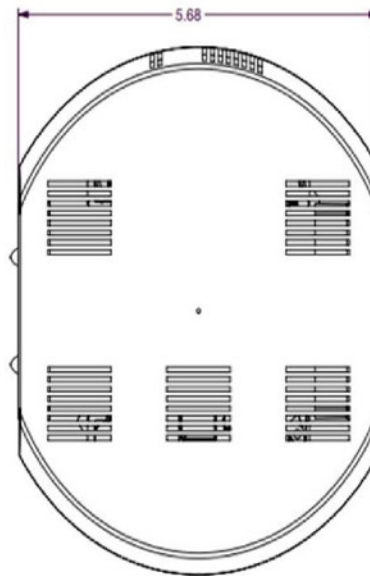


SPECIFICATIONS

Supply. 24 VAC .20%/-15% 50/60 Hz Class 2
 Supply Power: TBD
 Dimensions: 2.13" x 6.5" x 5.5"
 Screw Terminals: Wire Clamp 12 - 24 AWO. copper
 Removeable Block
 Processor: Raspberry Pi CM4001000
 Memory Storage. Micro SD Card Socket
 Push-Pull Type
 Communication, Gigabit Ethernet R.I45
 Housing Material: White ABS
 Ambient Limas, Operating 32 to 120 T (0 to 49 'C)
 Shipping -40 to 160 •F (-40 to 71 •C)
 Humidity 0 to 95% relative humidity (non-condensing)

RELEASED FOR PRODUCTION	SCALE: 3/4 x	TITLE: IAQ Sensor Group	PART #:
DATE:	MAKE NO CHANGE WITHOUT ENGR. APPROVAL. DO NOT SCALE DRAWING	DIMENSIONS IN INCHES (mm)	EX. DWG #: 4352



SENSING

Sensirion SEN44 PM 1.0. 2.5. 4, & 10
 I2C 1101001 Temperature .1- .5 'C (15 - 30 'C. 50% RH)
 Humidity .1- 5% (25 'C. 30 • 70% R11)
 VOC 0 - 500 VOC Index Points
 Sensirion SCD40. CO2 0 - 40.000 PPM
 12C 1100010 +1450 PPM .5% of reading) (400 - 2.000 PPM)
 Infineon DPS310: Barometric Pressure 300 • 1200 nRa +/-1 hPa I2C 1110110

ION DETECTOR

0 - 10,000 Ions/ccm Positive & Negative
 10 Second Update Time

ION DETECTION

0-10,000 ions/ccm Positive & Negative
 10 Second Update Time
 12 bit A:D to Raspberry Pi
 TI ADS1013DGSR
 0 - 3748 (0 • 10.000 Ions/tom)
 (Full Scale for > 10.000 ions/corn)
 12C Positive Ions 1001000
 12C Negative Ions 1001001
 On/Off Control: GPIO26 of Raspberry Pi
 Low Signal = Off
 High Signal = On

