

**ALARM(s):**  
 1. DRILL HOLES AND THEN FIT WALL PLUGS/DOWELS USING THE PROVIDED TEMPLATE (ALARMS SHOULD IDEALLY BE LOCATED AT THE ENTRANCES TO THE DANGER AREA WHERE VISIBILITY IS NOT OBSCURED. REFER TO YOUR OWN RISK ASSESSMENT FOR BEST LOCATION).  
 2. FIT THE ALARM BASE TO WALL IN REQUIRED LOCATION.  
 3. INSTALL REQUIRED CABLES AND CUT TO LENGTH, CONNECT TO PCB.  
 4. AFFIX THE AX60+ ALARM SIGN ADJACENT TO THE ALARM(s)

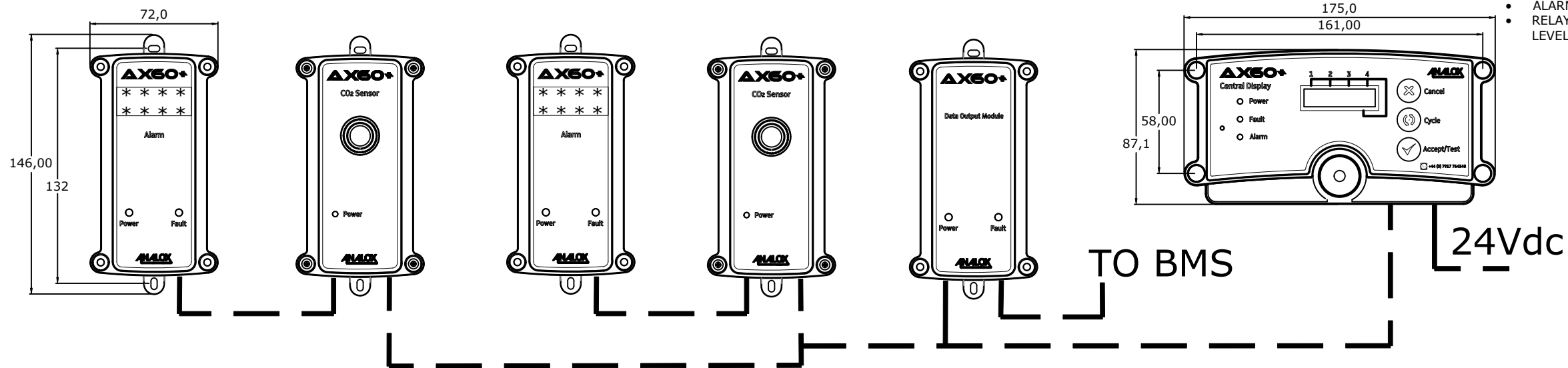
**SENSOR(s):**  
 1. DRILL HOLES AND THEN FIT WALL PLUGS/DOWELS USING THE PROVIDED TEMPLATE AT A HEIGHT OF 12" (305mm) AFF.  
 2. REMOVE SENSOR LID  
 3. FIT THE SENSOR BASE TO WALL IN REQUIRED LOCATION  
 4. INSTALL REQUIRED CABLES AND CUT TO LENGTH, CONNECT TO PCB.  
 5. REFIT SENSOR LID AND SECURE IN PLACE WITH PROVIDED LID FIXING SCREWS.

**CENTRAL UNIT:**  
 1. DRILL HOLES AND THEN FIT WALL PLUGS/DOWELS USING THE PROVIDED TEMPLATE.  
 2. INSTALL REQUIRED CABLES AND CUT TO LENGTH, CONNECT TO PCB, FEED CABLES THROUGH DESIRED ENTRY POINT.  
 3. FIT AND SECURE THE LID IN PLACE AND THEN FIT CENTRAL UNIT TO WALL IN A "NORMALLY ATTENDED LOCATION".  
 4. AFFIX AX60+ "WHAT TO DO SIGN" ADJACENT TO THE CENTRAL UNIT

**ALARM & RELAY DETAIL:**

- ALARM LEVEL (1) IS 0.5% (5,000PPM) TWA, DISPLAYED AS TWA (CENTRAL DISPLAY BEEP/ALARM RED LED FLASH)
- ALARM LEVEL (2) IS 0.5% (5,000PPM), DISPLAYED AS AL1 (VERY SLOW BEEP/STROBE FLASH)
- ALARM LEVEL (3) IS 1.5% (15,000PPM), DISPLAYED AS AL2 (SLOW BEEP/STROBE FLASH)
- ALARM LEVEL (4) IS 3.0% (30,000ppm), DISPLAYED AS AL3 (FAST BEEP/ALL STROBES FLASH)

- ALARM LEVEL (2 & 3) - RELAY (1) ENERGIZES
- ALARM LEVEL (4) - RELAY (2) ENERGIZES, RELAY (1) REMAINS ENERGIZED
- RELAY'S (1) AND (2) REMAIN ENERGIZED, AND ONLY DE-ENERGIZE WHEN GAS LEVEL IS BELOW RESPECTIVE ALARM LEVELS .



ALARM/STROBE

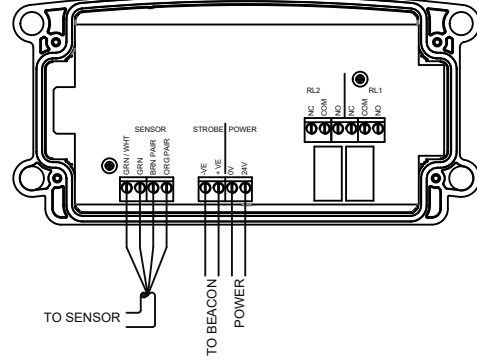
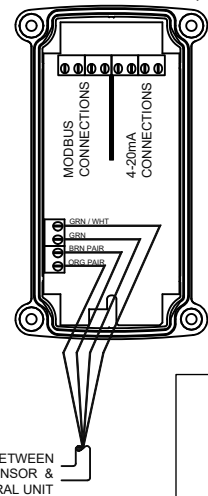
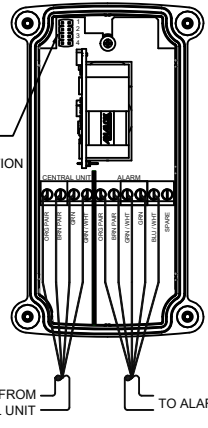
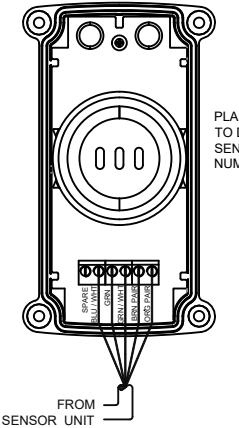
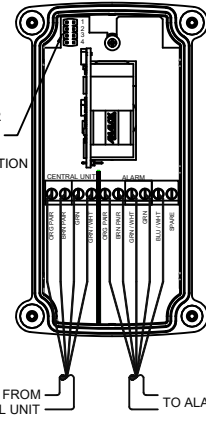
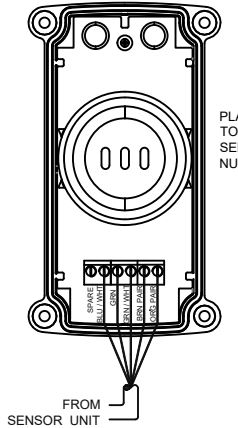
CO2 SENSOR

ALARM/STROBE

CO2 SENSOR

DOM

CENTRAL DISPLAY



**AX60+ Safety System**

**WHAT TO DO IN CASE OF ALARM**

PRESS THE ACCEPT/TEST BUTTON TO SILENCE ALARMS, IF IT IS SAFE TO DO SO CHECK THE TABLE BELOW TO DETERMINE THE COURSE OF ACTION

DISPLAY (Cd)	ACTION	DISPLAY (Cd)
*TWA OK --- CO <sub>2</sub> 5000 PPM	Open exterior doors and windows to ventilate the area. Look for the leak and remedy. The TWA alarm will clear when the average CO <sub>2</sub> levels are under 5000PPM over an 8 hour period. If TWA does not resolve in a 24 hour period, contact service at .....	AL1 Disabled O <sub>2</sub>
OK *AL1 --- CO <sub>2</sub> 5000 PPM	Open exterior doors and windows to ventilate the area. Look for the leak and remedy. If the reading does not remain under 5000 PPM for CO <sub>2</sub> or above 19.5% for O <sub>2</sub> call service at .....	OK *AL2 --- O <sub>2</sub> 19.5 %
*AL2 OK --- CO <sub>2</sub> 15000 PPM	Open exterior doors and windows to ventilate the area. Shut off the gas supply. Look for the leak and remedy. If the reading does not remain under 15000 PPM for CO <sub>2</sub> or below 22% for O <sub>2</sub> maintain ventilation and call service at .....	*AL3 OK --- O <sub>2</sub> 22 %
OK *AL3 --- CO <sub>2</sub> 30000 PPM	IMMEDIATELY LEAVE OR DO NOT ENTER THE RISK ZONE. LEAVE EXTERIOR DOORS OPEN FOR VENTILATION. CALL CO <sub>2</sub> /O <sub>2</sub> SERVICE PROVIDER FROM OUTSIDE THE RISK AREA. Call service at .....	OK *AL4 --- O <sub>2</sub> 19 %
*FLT FLT --- O <sub>2</sub> 1 COMMS FLT	Call service at .....	

Installer: Complete these boxes before attaching this sign next to the Central Display.

Sensor ID	Gas Type	Location
1		
2		
3		
4		

**System Test**  
 Hold Accept/Test button until TESTING ALARM appears. All alarms should flash & sound for 5 seconds.

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**WHAT TO DO IN CASE OF ALARM**  
 SIGN INCLUDED WITH CENTRAL DISPLAY

2018 IFC 5307.3.2 CARBON DIOXIDE SENSORS SHALL BE PROVIDED WITHIN 12 INCHES (305 MM) OF THE FLOOR IN THE AREA WHERE THE GAS IS EXPECTED TO ACCUMULATE OR OTHER APPROVED LOCATIONS. THE SYSTEM SHALL BE DESIGNED AS FOLLOW:  
 1. ACTIVATES AN AUDIBLE AND VISIBLE SUPERVISORY ALARM AT A NORMALLY ATTENDED LOCATION UPON DETECTION OF A CARBON DIOXIDE CONCENTRATION OF 5,000 PPM.  
 2. ACTIVATES AN AUDIBLE AND VISIBLE ALARM WITHIN THE ROOM OR IMMEDIATE AREA WHERE THE SYSTEM IS INSTALLED UPON DETECTION OF A CARBON DIOXIDE CONCENTRATION OF 30,000 PPM.

**WARNING**

**CO<sub>2</sub> ALARM**

STROBE / HORN	ACTIONS
CO <sub>2</sub> PRE-WARNING SLOW BEEP/STROBE FLASHING	1. Ventilate - Open Exterior Door 2. Go to Audit- Central Display a. Press Green ACCEPT/TEST button to make from b. Follow directions on What to Do sign for ALL 5,000 PPM or AL2 15,000 PPM.
CO <sub>2</sub> DANGER ALERT FAST BEEP/ALL STROBES FLASHING	IMMEDIATELY LEAVE OR DO NOT ENTER THE RISK ZONE. LEAVE EXTERIOR DOORS OPEN IF POSSIBLE. CALL CO <sub>2</sub> SERVICE PROVIDER FROM OUTSIDE THE RISK AREA.
LATCHED ALARM STROBES FLASHING/HORN	Go to Central Display. Press & hold the Green ACCEPT/TEST to release alarm.

ANALOX P0159-4462-00

**WARNING**

**CO<sub>2</sub> ALARM**

STROBE / HORN	ACTIONS
CO <sub>2</sub> PRE-WARNING SLOW BEEP/STROBE FLASHING	1. Ventilate - Open Exterior Door 2. Go to Audit- Central Display a. Press Green ACCEPT/TEST button to make from b. Follow directions on What to Do sign for ALL 5,000 PPM or AL2 15,000 PPM.
CO <sub>2</sub> DANGER ALERT FAST BEEP/ALL STROBES FLASHING	IMMEDIATELY LEAVE OR DO NOT ENTER THE RISK ZONE. LEAVE EXTERIOR DOORS OPEN IF POSSIBLE. CALL CO <sub>2</sub> SERVICE PROVIDER FROM OUTSIDE THE RISK AREA.
LATCHED ALARM STROBES FLASHING/HORN	Go to Central Display. Press & hold the Green ACCEPT/TEST to release alarm.

ANALOX P0159-4462-00

INTERNATIONAL CO<sub>2</sub> SAFETY STANDARDS MET OR EXCEEDED BY THE ANALOX AX60+:

CE, EN50270, IEC 61010 (UL), DIN 6653 (TUV)  
 IFC SECTION 916 2018, NFPA 55 - CHAPTER 1-7 & 13  
 NBIC PART 1 - SUPPLEMENT 3  
 CGA G-6, G-6.2 AND G-6.5 (STANDARDS RECOMMENDATIONS)

**COMMERCIAL IN CONFIDENCE**

**Design Released**

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TITLE:  
**ANALOX Ax60+ CO<sub>2</sub> VARIANT (IFC)**

DOCUMENT CLASSIFICATION:  
 -

SUPPLEMENTARY TITLE:  
**PRODUCT INFORMATION**

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SPECIAL INSTRUCTION:  
 N/A

MATERIAL:  
 N/A

FINISH:  
 N/A

DOC. TYPE: Product Information Sheet

DWG NO. **P0159-4171**

A3 DO NOT SCALE DRAWING

REV	NOTES	DCN	DRWN	CHKD	CHKD DATE	APPD BY	APPV REF	APPD DATE
00	ORIGINAL ISSUE	2019-0041	PJO	PLC	23/08/2020	-	-	-
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REVISION

**00**

SHEET 1 OF 1