

CAIRN

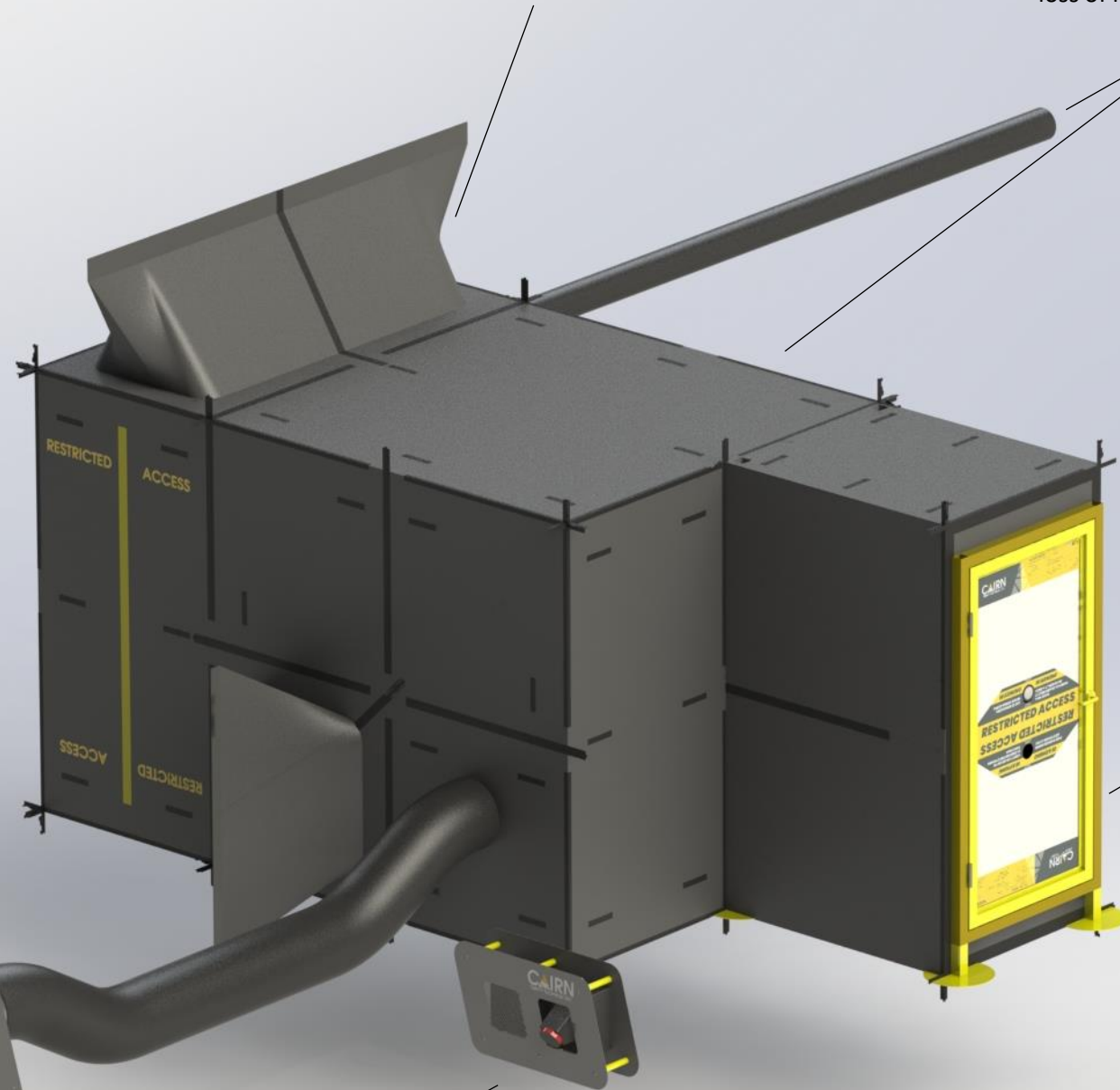
SAFETY TECHNOLOGY

Panels - Fireproof (550°C rated, 800°C melt point), Antistatic, Zero Halogens, Designed for maximum flexibility with minimum panels using our unique penetration panels

Extraction – Flame retardant antistatic outlet duct and separate flame retardant antistatic HVLV extraction system means high quality fume extraction with minimal loss of internal pressure

Einstein Capabilities

- Airflow Monitoring**
 - Habitat Differential Pressure– Alarms at <25Pa
 - Airflow – Alarms at <0.4m³/s
- Duct and habitat gas detection**
 - Hydrogen Sulphide (H₂S) – Alarms at 5ppm
 - Butane C₄H₁₀ - Alarms at 10% LEL
 - Ethane C₂H₆ - Alarms at 10% LEL
 - Hydrogen H₂ - Alarms at 10% LEL
 - Isobutane HC(CH₃)₃ - Alarms at 10% LEL
 - Isobutylene C₄H₈ - Alarms at 10% LEL
 - Isopropanol C₃H₈O - Alarms at 10% LEL
 - Methane CH₄ - Alarms at 10% LEL
 - Methyl ethyl ketone C₄H₈O - Alarms at 10% LEL
 - Octane C₈H₁₈ - Alarms at 10% LEL
 - Pentane C₅H₁₂ - Alarms at 10% LEL
 - Propane C₃H₈ - Alarms at 10% LEL
 - Propylene C₃H₆ - Alarms at 10% LEL
 - Toluene C₇H₈ - Alarms at 20% LEL
 - Xylene C₈H₁₀ - Alarms at 20% LEL
- Connections**
 - Up to 2 remote sounder beacons
 - Up to 2 toolstops
 - Up to 10 remote ESD buttons
 - Up to 20 area gas detectors
- Alarms / Indicators**
 - 3 alarm tones
 - 3 coloured indicator lamps
 - 1 Beacon
 - 12 distinct alarms



Airlock – Airlock is optional, doors are lightweight but are full size, have a large viewing area and are packed with state of the art technology. Patent Pending.



Air Inlet – Flame retardant antistatic inlet duct can be supplied with optional air conditioning or heating

Number Connected
Versions

- Toolstop
 - Up to 2
- 1x 380-480VAC 32A 3P+N+E
- 1x 380-480VAC 32A 3P+E
- 2x 380-480VAC 16A 3P+N+E
- 2x 380-480VAC 16A 3P+E
- 4x 200-240VAC 16A 1P+N+E
- 4x 100-120VAC 16A 1P+N+E
- * More options in development *
- ** Custom options available **

CAIRN COCOON HABITAT	
Certification	Ex II 2 G Ex v2 IIB / IIB+H ₂ T4 Gb Ex pb IIB / IIB+H ₂ T4 Gb
Operating Temperature	-20°C to +50°C
Certificate numbers	ExVeritas 23ATEX1538X IECEX EXV 23.0008X ExVeritas 23UKEX1540X
Zones of use	Zones 1 and 2