

Fresh Air Base

The Fresh Air Base Station (ResBase) by Sybet International is an intrinsically safe transceiver designed as a key component in underground emergency response systems, specifically for mine rescue operations.

It enables robust, explosion-proof communication between underground rescue teams and surface operations, supporting both wired and wireless connectivity.



Technical specification

For a detailed overview of the product's capabilities, please see the key features listed below. These highlights will provide you with a comprehensive understanding of the advanced functionalities and benefits that our product offers.

SPECIFICATION

FEATURE	DESCRIPTION
Device Type	Intrinsically safe transceiver (ResBase)
Application	Mine rescue operations, emergency response
Power Supply	Built-in battery (16h), external battery (16h), IS supply
Connectivity (Surface)	Twisted-pair to PBX, leased line, single-mode fiber optic
Connectivity (Underground)	Wireless mesh (mPhone radios)
Battery Backup	16 hours (internal), +16 hours (external)
Safety	Intrinsically safe; ATEX and MASC certified
Communication Features	LISTENING/SILENCE switch, selective broadcast
System Role	Radio network node, data transmission, monitoring