



IRIS

INTEGRATED RADIO INFORMATION SYSTEM

The Scott IRIS electronic monitoring and telemetry system provides firefighters with improved clarity and accuracy of information concerning the status of their SCBA, whilst acting as a vital communications lifeline to the outside world.

In its simplest form IRIS can be used purely as an Electronic Monitoring Unit (EMU) with integrated man-down alarm or, by inserting a radio module, IRIS becomes a state-of-the-art telemetry system, ideal for the effective fireground monitoring of multiple firefighters during large or small scale incidents.

Watching, listening and responding, IRIS improves safety and accountability, removes uncertainty from decision-making and puts the firefighter firmly in control.



Electronic Monitoring Unit (EMU)

- Large digital backlit LCD display
- Constant digital air pressure read out
- Back-up pneumatic gauge and whistle
- Integrated Personal Alert Safety System (PASS)/Automatic Distress Signal Unit (ADSU)
- Selectable time to whistle and temperature read-out
- Manual activation of 'man down' alarm
- Data logging for post event analysis
- Rapid start up and self diagnostics
- Low battery and high air flow warnings
- Easy to operate with gloved hands
- Intuitive symbol based operation

Additional functionality with Telemetry

- Notification of withdrawal, panic alarm and PASS/ADSU activation
- Visual out-of-range warning
- Transmission of cylinder pressure to Entry Control Officer (ECO)
- Notification of low air to ECO
- Innovative 'Ricochet' safety feature



PASS/ADSU

- Solid state technology - infrared motion sensor with no internal contacts to wear out
- Magnetic tally key, sealed against water ingress
- Works with existing tally procedures
- Long life Lithium Magnesium Dioxide batteries
- Loud 112 decibel alarm

Telemetry (optional)

Base Station

- Logs and monitors up to 50 users
- Evacuation command at various levels (individual, team and complete board)
- Can log users 'On' after they have entered the incident
- Full visibility of all logged-on units status
- Intuitive operation



SCOTT ... NEVER LEAVE ANYONE BEHIND

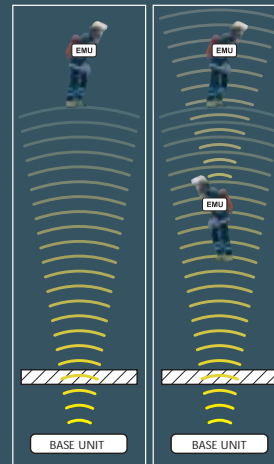
The IRIS system has been designed with your future in mind. All Scott/Sabre SCBAs can be easily upgraded by the user to include the IRIS system.



RELY ON RICOCHET

Ricochet is an innovative feature that provides the firefighter with the best possible chance of receiving an evacuation signal from outside the fire ground.

Even when out of range or when impregnable materials/obstacles block a signal, every EMU is utilised as a transmitter. This relays the signal to the EMU outside the signal range for increased safety.



IRIS TECHNICAL SPECIFICATIONS

FREQUENCY		BATTERY LIFE	
In accordance with JCDD40		Portable Unit	60 active hours (no telemetry unit) or 24 active hours (with tel. unit). Low battery indication occurs when one hour battery life remains, assuming the PASS/ADSU will be in full alarm mode
UK	Home Office Specification MG41 (Performance & Regulatory standards for use by the Fire Service in the 862 - 863 MHz band)	Base Unit	Minimum of 12 hours battery life
Europe	869.40 to 869.65 MHz	ADSU	in accordance with JCDD38
ALARM VOLUME		Alarm volume	102 to 112 dBA at a distance of 25cm
AERIAL		TEMPERATURE SENSOR	
Portable Unit	Internal	Type	Thermistor bead
Base Unit	External antenna with TNC connector	Temperature range	-15°C to +150°C
RANGE		Accuracy	± 5°C up to +100°C
At least 0.8km line of sight and typically in excess of 1.5km		APPROVALS	
POWER		Approved in accordance with European ATEX Directive 94/9/EC, Annex II, 1.0.6.	
Portable Unit	2 x PP3 batteries Ultra-life U9VL-J	IRIS	⊕ I1 GEEExI1CT4
Base Unit	6 x 'C' size alkaline batteries	IRIS with radio	⊕ I2 GEEExI1CT4
Can be powered from a 12 or 24 Volt DC vehicle battery supply		ATEX certificate	Sira 04ATEX2177



IRIS

ELECTRONIC MONITORING & TELEMETRY



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ISO 9001:2000
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FM 09932



In accordance with our policy of continual product improvement, equipment supplied may differ from the specification detailed herein.

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