

# DrägerMan Bodyguard® II



## DrägerMan Bodyguard® II

### System Overview

DrägerMan Bodyguard® II - Tally  
3350820

DrägerMan Bodyguard® II - Auto  
3350821

DrägerMan Bodyguard® II and Hose - Tally  
3351425

DrägerMan Bodyguard® II and Hose - Auto  
3351426

DrägerMan Bodyguard® II Pneumatics Upgrade - Tally  
3351427

DrägerMan Bodyguard® II Pneumatics Upgrade - Auto  
3351340

Protective Lens Covers (Pack of 20)  
3351366

Application Fluid (Dispenser)  
(Pack of 4) 3310742

Application Fluid (XL Refill)  
3310741

IR Link II Software CD Kit  
3351342

TECHNICAL SPECIFICATIONS	
Dimensions LxWxH	200x70x42mm (excluding whistle)
Weight	410g including battery
Battery	9 V Alkaline, 100 hrs normal life
Operating Temperature	- 30°C to +75°C (EN137, JCDD38 and NIOSH)
ADSU Main Alarm	102 to 112 dBA measured at 250mm (JCDD38 revision)
Unsecured Vibration	To NFPA 1982:1997
Flame Retardancy	To NFPA (self extinguishing 1000°C 10 s)
APPROVALS:	
Breathing Apparatus	EN137, PrEN137
Distress Signal Unit	JCDD38
Intrinsic Safety	EN50014 - EEX ia IIC T4, EN50020 (Mining) -EEX ia I
Electromagnetic Compatibility	30 V/M, exceeds EN61000-6-2
Radiation Immunity	EN50082-2
Radiation Emissions	EN50081-1

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**Dräger**  
**ISO 9001**  
certified

The Quality Management system  
of Draeger Limited is certified per  
BS EN ISO 9001 as well as by  
numerous organisations in many  
different countries.

## DrägerMan Bodyguard® II

Electronic Monitoring Unit

### The Personal Safety System for Professionals





# When it's a matter of life and death excellent equipment is not a luxury.

Draeger has a proud history of incorporating leading edge technology into its product range to exactly meet its customers’ expectations. The DraegerMan Bodyguard® II is yet another example of this goal being achieved.

Building on the success of its first Bodyguard®, and after listening to its customers, Draeger have taken the technology a stage further to offer new levels of fire-ground safety and lead the way to the higher standards of the future.

The DraegerMan Bodyguard® II is a fully electronic monitoring unit for Compressed Air Breathing Apparatus.

It combines a host of previously separate warning and monitoring devices into a single instrument. This compact and lightweight lifesaver provides quick information with a clear and easy to understand display and controls.

- Bodyguard® II provides a level of safety which is second to none, offering:
- Choice of two operating modes
  - Easy push-button operation
  - Two independent visual and audible low pressure warning signals
  - Automatic self tests and system tests
  - Time to whistle indication
  - Digital pressure display
  - Temperature indication



**Choice of Two Operating Modes**  
There are two operating modes: Tally, which supports full BA Entry Control procedures consistent with TB1/97 - UK Home Office; and Automatic, which simply requires the opening of the cylinder valve to achieve full operational status.

**Easy Operation**  
Bodyguard® II is operated with large buttons which can be used even when wearing heavy gloves. The easy to read LCD pictogram display also has a backlight which can be illuminated in poor visibility conditions.

**Two Independent Low Pressure Warning Signals**  
There are two completely Independent End of Service Time Indicators (EOSTI) consistent with NFPA 1982:1998:

- Visual warning with eye catching, powerful twin red warning lamps
- Innovative pneumatic whistle of 90 dBA



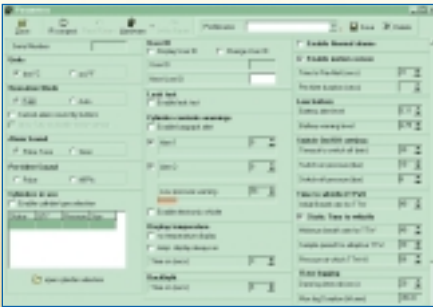
**“Automatic Distress Signal”**  
There is an ADSU/PASS alarm and built in motion sensor, supporting JCDD38 and NFPA:1982. Additional safety is provided with two further electronic low pressure warnings and two low battery warnings.

**Versatility**  
Bodyguard® II is fully compatible with the rest of the Draeger PSS® range and ‘Plus’ pneumatics and can be tailored using the Draeger Bodyguard® IR Link II Software to match your requirements. Using Bodyguard® II it is possible to upgrade to Telemetry, using the DrägerMan PSS® Merlin.

**Constant Monitoring**  
The wearer receives continuous updates of pressure, temperature and remaining air time based on current air consumption, which is refreshed every second. Digital pressure is displayed in bar and the bargraph simulates analogue gauge status.

**Draeger Bodyguard® IR Link II Software**  
This advanced software allows you to tailor the Bodyguard® II and get optimal use of its many features, for example:

- Datalogging up to 18 hours to allow post-incident analysis using a PC
- Change operating parameters eg. low pressure warnings, alarms, cylinder configuration and ADSU timing
- Switch between tally and automatic operation
- Personal Identification Number to allow identification of individual team members
- Motion sensor disablement without impairing any other functions
- Optional Alarm Cancellation in the event of PASS/ADSU accidental activation
- Upgrade to Telemetry operation, for use with Draeger’s PSS® Merlin portable radio unit and electronic control board



- 1 DIGITAL PRESSURE READING
- 2 TIME TO WHISTLE DISPLAY
- 3 BACKLIGHT ILLUMINATION BUTTON
- 4 TEMPERATURE DISPLAY BUTTON
- 5 TALLY KEY (optional)
- 6 ADSU ‘ACTIVE’ LED
- 7 TWIN WARNING LIGHTS
- 8 PNEUMATIC WHISTLE
- 9 MANUAL DSU BUTTON

