

INTRINSICALLY
SAFE
KEYBOARD
WITH INTEGRAL
MOUSE

KBIM2-IS



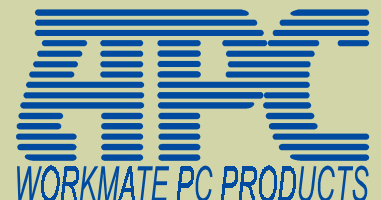
The KBIM2-IS is a full QWERTY PC keyboard with integral mouse for use in hazardous environments. The unit is intrinsically safe, protected via safety barriers, and is suitable for use in Class 1 Zone 0 hazardous areas.

The unit is fully welded from stainless steel. The membrane is covered with a conductive stainless steel shim to prevent static build up. The unit only requires a single dual channel barrier.

Ideally suited to operator interface requirements in petrochemical, and other industries with potential explosive atmospheres.

FEATURES

- INTRINSICALLY SAFE
- RUGGED STAINLESS STEEL CONSTRUCTION
- FULLY SEALED
- TACTILE FEEDBACK
- PC COMPATIBLE
- 60°C RATING



GENERAL SPECIFICATIONS

ENVIRONMENTAL: Sealed to IP65
Enclosure is of stainless steel construction with powder coated paint finish.

KEY FUNCTIONS: 82 keys - full QWERTY

TEMPERATURE: Operating 0°C to +60°C
Non-operating -20°C to +70°C

POWER: Keyboard: Standard AT keyboard

EMI APPROVALS: FCC Part 15, Subpart B; Class B
Certification EN55022 Class B.

APPROVALS: Australian Standard 2380.1-1989,
2380.2-1991, 2380.7-1987
& 1939-1990. - Exia I/II T4 IP65

BARRIERS: A single dual channel barrier is required.
There are two versions of the keyboard:
KBIM2-IS-Z is for Zener barriers
KBIM2-IS-G is for galvanically isolated barriers

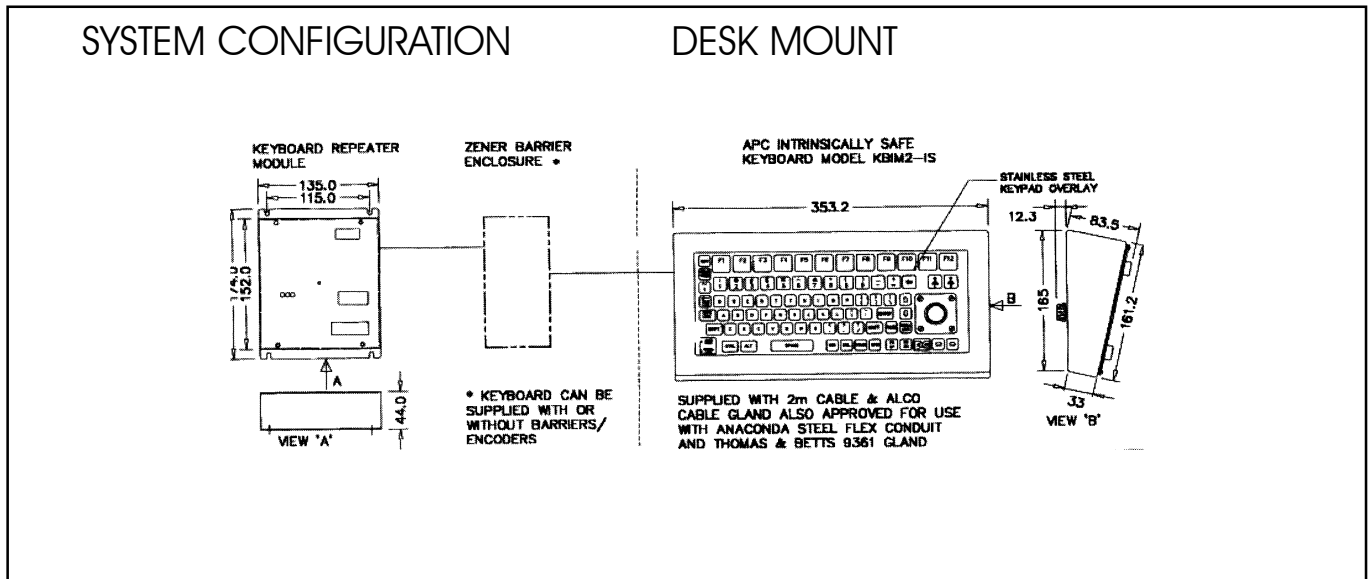
SAFETY DESCRIPTION: The required safety description for barriers assessed on 'Entity' concept is:
Maximum input voltage (Ui) 17 volts
Maximum input current (Ii) 310 milliamperes
Maximum input power (Pi) 1.3 watts
Maximum internal capacitance Ci) 4.7 nF
Maximum internal inductance (Li) 100µH

The barrier must also be capable of operating at frequencies up to 10kHz

Examples of suitable barriers:
KBIM2-IS-Z MTL767+
KB2-IS-G No suitable barrier available at date of printing. Please check with APC.

CONNECTION: Standard DIN plug

WEIGHT: Approx 7kg (keyboard and repeater)



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Due to continuing developments, specifications are subject to change without notice.
No liability is accepted for errors or omissions.