



# CUSTOM POWER DESIGN

ELECTRONICS CONSULTANTS PROVIDING CUSTOM DESIGN, DEVELOPMENT, TEST & SUPPORT



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## MODEL SM4230 INFORMATION SHEET AND USER GUIDE.

### All Weather Enclosure for Intermec UAP2100 Access Point.

(Access Point must be fitted with heater option for this enclosure model).

**CAUTION:** High voltage. Do not open the cabinet door in rain.

**General.** The **Intermec** remote data transfer system relies on a network connected transceiver (Access Point) within range of portable readers. The Access Point contains complex electronics with an operating temperature range of -30C to +50C (providing the Access Point is fitted with the heater option).

Note that enclosure model number **SM4231** is available, fitted with its own heater and thus does not require the Access point heater option.

The enclosure should be shielded from direct sunlight. Other temperature ratings are available to order.

The body of the enclosure is formed from a single sheet of folded steel, fully seam welded and then protected with polyester powder coat paint in light grey to RAL 7032. The door is provided with two locking latches. Mounting kits for 19 inch racks are available to special order. Holes (with sealing

washers) are provided in each corner of the rear panel to facilitate mounting. They are 4x10mm diameter holes on a 375mm by 400mm grid.

Internal mountings are provided to clamp the Access Point to the back of the enclosure, allowing full access to the unit's connectors when open. Three cable glands are provided for mains, data, and antenna, with sealing to IP66.

Mounting screws for the Access Point and the door keys have been included in a small plastic bag at the back of the unit. Also included is a spacer that should be fitted around any fibre optic cable and situated inside the cable gland.

**Caution:** The enclosure must be installed in compliance with local wiring regulations. This enclosure is supplied on the basis of the user determining the suitability for the purpose and the environment for which it is to be used.

#### Specification.

Environmental:-	To specification IP66
Temperature range:-	-30C (-13F) to +45C (113F) operating, no wind chill and shaded from sun. Access Point must be fitted with heater option.
Humidity:-	0 to 100% condensing.
Finish:-	Light grey powder coat to RAL 7032
Size:-	400mm wide, 500mm high, 200mm deep.
Weight:-	Less than 20Kg including Access Point.
Fixings:-	Through back panel. 4x10mm holes on 375mm by 400mm grid.
Fixing screws:-	To have a minimum diameter of 5mm (No. 12).
Mains voltage:-	220 -240V AC 50-60 Hz (other voltages to special order).

Made in the UK.

We manufacture a wide range of DC-DC converters, DC-AC (mains) inverters and many other power systems.

We specialise in the custom design of Hydrogen Stack converters up to 10KW.

We reserve the right to change the specification without notice

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