



CUSTOM POWER DESIGN

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MODEL NUMBER SM4234 INFORMATION SHEET.

All Weather Enclosure for Intermec Access Point Units AP2101 and AP2102.

General. Intermec remote data transfer systems 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 0C to +50C. If it is necessary to position an access point in an exposed place then an enclosure is needed to control the temperature range. This enclosure meets the environmental requirements of IP66. It contains a thermostatically controlled heater to maintain internal temperature above zero in ambient temperatures of -25C (-13F), and allowing operation in temperatures up to +50C (120F). Note that the enclosure should be shielded from direct sunlight. Lower temperature ratings (to -40C) are available.

The body of the enclosure is formed from Glass Reinforced Plastic. Mounting Brackets are provided in each corner of the rear panel to facilitate mounting. Internal mountings are provided to fix the cradle for 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, and two network or data fibres, all with sealing to IP66. Remote antenna sockets may be fitted as required, please specify when ordering.

Mounting screws for the enclosure and the Access Point cradle are included in a small plastic bag taped inside. Spacers are supplied which should be

fitted around any thin fibre optic cables, where they pass through the gland. If the fibre termination unit is inside the case, or standard network cabling is used (thus only one gland needed) then the free hole must be plugged with the blanking grommet provided, to maintain the integrity of the enclosure.

AC Mains input should be terminated on the DIN rail mounted fuse block assembly. The fuse is rated 5A. The enclosure must be installed in compliance with local wiring regulations.

Any antennas (AP2101) should be clamped inside the opening front of the enclosure. Note that the case is transparent to radio waves. The antenna of the AP2102 should be flipped up to clear the rear mounting plate.

Caution: This composite enclosure does not automatically provide grounding between conduit connections. Use grounding bushes and or hubs having the same IP66 rating as the enclosure. Do not drill the enclosure without considering the impact on its environmental rating. High voltage and hot parts inside. Keep closed when raining. 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:-	-25C (-13F) to +50C (120F).
Humidity:-	Condensing.
Finish:-	Light grey self colour.
Size:-	319mm wide, 370mm high, 219mm deep.
Weight:-	Less than 6Kg including Access Point.
Fixings:-	Exterior brackets provided (Do not drill case).
Mains voltage:-	220 -240V AC 50-60 Hz (or use network power system model SM3900).
Consumption:-	15 watts normally, and with heater running, 75 watts.

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We reserve the right to change the specification without notice

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