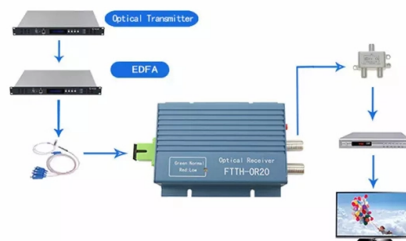


High-Temperature Resistant Installation Solution for Four-Port Information Panels in Nigeria



AI Overview

For high-temperature environments, a combination of weatherproof four-port enclosures and high-performance thermal insulation ensures reliable operation of information panels. Recommended Enclosure The ALNS-4 weatherproof 4-port PoE network solution is ideal for outdoor or industrial installations. Its 5052 aluminum NEMA 3-rated enclosure provides protection against rain, dust, and environmental challenges while offering excellent thermal conductivity for heat dissipation. The enclosure includes a thermostatically controlled fan, ensuring the internal temperature remains within operational limits, which is critical in hot climates like Nigeria. Aluminum construction also enhances durability and reduces maintenance costs.

Thermal Insulation Options To further protect the panels from high ambient temperatures, consider microporous insulation panels: MICROTHERM® SLATTED: Flexible, microporous insulation panels with a classification temperature of 1000°C, suitable for limited space installations. They are easy to handle and install, and their pyrogenic silica composition ensures low thermal conductivity. High-density ceramic fiber panels: These panels can withstand temperatures from 300°C up to 800°C, providing both thermal and electrical insulation. They can be custom-cut to fit the enclosure and offer resistance to shocks and chemicals.

Cable Management and Accessories For high-temperature applications, use heat-resistant cable management components: PEEK, PA46, or E/TFE (Tefzel®) cable ties and sleeves: These thermoplastics withstand continuous temperatures up to 240°C (PEEK), 150°C (PA46), and 170°C (E/TFE), providing chemical resistance and fire safety. Protective...

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