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Raycap's New Combination Meter/Disconnect Streamlines 5G Small Cell Deployments

Post Falls, Idaho – May 25, 2021 - Raycap, a global leader in infrastructure and power protection solutions for telecommunications and other sectors, introduced a combination power meter/AC disconnect (RMx-E2) that integrates several crucial functions into one enclosure to streamline 5G deployments, enhance reliability and improve the appearance of small cell sites. This reduces the number of boxes attached to 5G small cell poles by combining power connection, meter, AC disconnect, surge protection and load center into one unit.

Because the basic power management needs for pole-mounted small cell sites are consistent, Raycap engineered a product that combines all these components into a single narrow 9-inch-wide enclosure that mounts easily on wood or metal poles or can also be placed inside a small cell pole. An industry-first cable routing design enables mains connection from the bottom, sides or top. This is important for urban environments where the electrical service is often underground.

Sites that support 5G connectivity are slated to become increasingly prevalent as wireless carriers and corporations will have deployed 800,000 small cell sites in the U.S. by 2026 (source: CTIA) as they vie to gain market share by adding the services that come with the technological advancements. More and more municipalities are looking for ways to implement 5G, which requires more small cells – the sites required to propagate the 5G signals – with closer proximity to user devices. As a result, concealed 5G small cells are being installed on existing and new streetlight poles, utility poles, rooftops and building sides in urban centers. While users may not know they are there, they will enjoy and come to depend on the added service and network reliability offered by small cell nodes.

“The standardization of small cell components will help to streamline the municipality and utility review process of applications for small cell installations,” says Apostolis Sotiriou, AVP Telecom Sales for Raycap. “Raycap’s RMx-E2 facilitates this by enabling municipalities and utilities to more easily meet the



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rigorous electrical, mechanical and safety guidelines placed on street infrastructure.” Surge protection is provided by Raycap’s Strikesorb 30-A-2CHV Surge Protective Device (SPD), a UL 1449 Listed and Class I SPD, certified by VDE per the IEC 61643-11 standard as suitable for installation in areas where induced lightning exposure is expected. It can withstand direct surge currents up to 5kA (10/350 μ s) and induced surge currents of up to 60kA (8/20). Choosing to add the surge protection option helps utilities and municipalities to ensure safe operation of equipment on top of poles and towers.

The RMx-E2 Combo Disconnect products are NEMA 3R rated for use in harsh environments inside or outside of poles and other street furniture. For more details, read our article here:

www.raycap.com/powering5g/

About Raycap

Raycap is an international solutions provider and manufacturer of telecommunications infrastructure products for broadband and mobile networks, as well as industrial electrical protection systems, with operations throughout Europe and North America. Raycap employs more than 1,500 people at eight facilities worldwide and has its own test laboratories and a strong R&D Division. Products are certified according to national and international standards. Telecom concealment solutions are marketed under the STEALTH® concealment brand, while surge protection brands include Strikesorb®, SafeTec, ProTec & ACData. For more information, find us on the web at www.raycap.com

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