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# 200 SERIES REMOTE TERMINAL UNITS

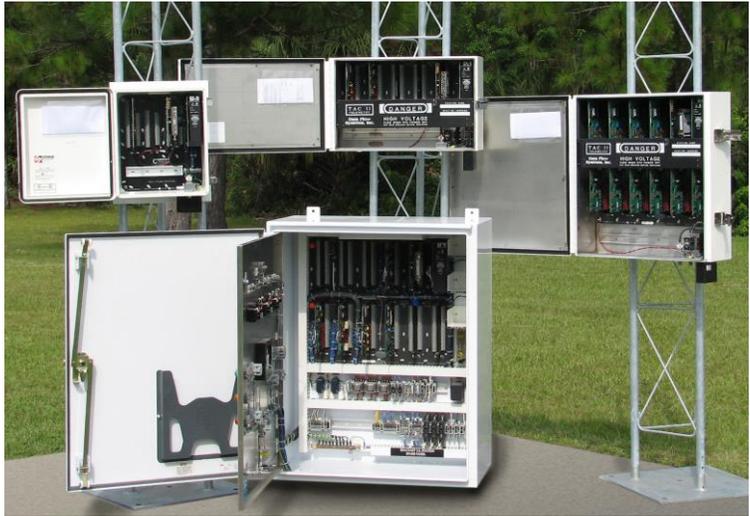
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THE 200 SERIES RTU IS AVAILABLE IN FOUR MODELS, EACH OFFERING A VARIETY OF MIXED DIGITAL AND ANALOG INPUTS AND OUTPUTS, AS WELL AS A PLC MODULE FOR AUTOMATION CONTROL APPLICATIONS. COMMUNICATIONS WITH A SCADA SERVER CAN BE VIA LICENSED RADIO, VERIZON CELLULAR AND/OR NETWORKING.

The 200 Series RTU is a highly adaptable, high performance family of modularized Remote Terminal Units designed with a great emphasis on scalability and ease of service. The 200 Series RTU can be configured to maximize performance in a wide range of monitor, control and automation applications.

The 200 Series RTU base chassis, which is a passive modular backplane (MBP), is expandable from two (2) to fifteen (15) slots for plug-in RTU I/O modules of any combination. The 200 Series RTU is available in four models, RTU202, RTU204, RTU210, and RTU216, each offering a variety of mixed digital and analog input and output RTU I/O modules for an extremely versatile solution,

as well as a PLC module for automation control applications. 120V and Solar powering options are available. RTU communications with a SCADA Server can be via Licensed Radio, Verizon Cellular and/or Networking (supports dual modes of communication).



DFS provides complete assembled, wired and tested RTU panels in our certified UL-508 panel shop. We design and build both off-the-shelf and custom RTU panels to the highest standards of customer expectations. RTU panels can be certified and labeled UL 508A. RTUs can be ordered to include a Panel PC HMI. All wiring is in accordance with the latest N.E.C. codes and conventional standards. RTU applications that require customized panels or programmable logic controllers (PLCs) are designed for the specific application using our standard off-the-shelf RTU components. These applications can range from complex pump stations to complete plant control systems.



Designed for the high incidence of lightning in Florida, DFS RTUs incorporate exceptional surge protection features as a standard practice. All RTU modules include a THREE-YEAR LIGHTNING WARRANTY. Every RTU that utilizes a radio will incorporate a Polyphaser coaxial cable surge arrester to prevent electrical surge or transients entering through the coaxial cable. Multiple staged surge protection is provided for all power supply and power monitoring circuits and is equipped with both energy limiting and clamping circuits with slow blow fuses designed for overload conditions.

DFS can provide complete engineering of your RTU panel, specifying the size, material, mounting, layout and wiring. We provide PLC programming, customized graphical HMI screens, installation, commissioning, and startup services. We also provide training of operator personnel and technicians. Operations and Maintenance Manuals are provided for each custom panel and include a descriptive control strategy, hardware and software configurations, final electrical and mechanical drawings, HMI screen illustrations, PLC program, bill of materials and component specification.

