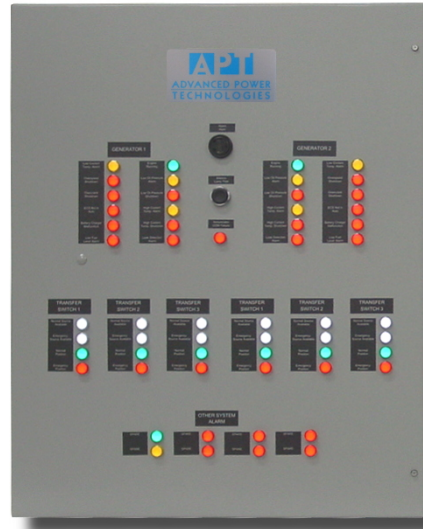




ADVANCED POWER
TECHNOLOGIES

Digital & Analog Remote Annunciator, Monitoring & Control Panels



PowerAdvisor-Series Industrial Control Panels Solutions Brochure

www.appt-power.com
433 N. 36th Street
Lafayette, IN 47905
(765) 446-2343

**SAFE SMART SERVICEABLE SWITCHGEAR &
ENGINEERED POWER SYSTEM SOLUTIONS**



ALN: 511 Rev. 01

Remote Annunciation



Figure 1: Digital Remote Annunciator & Control Panel 316 Stainless Steel NEMA 4X Enclosure



Figure 2: 5.7" Remote Annunciator Digital Color Touchscreen

Customized Digital or Analog Remote Annunciator Panel

- ⊙ UL Listed Industrial Control Panel
- ⊙ Wall-mount
- ⊙ APT annunciators customized & configured for your specific application
- ⊙ Annunciation Displays:
 - Discrete LED's
 - 20" or smaller color touchscreen
- ⊙ Digital touchscreen displays:
 - Displays EMCP information acquired via EMCP MODBUS datalink
 - Frequency
 - Vab, Vbc, Vca
 - Ia, Ib, Ic
 - kW
 - Oil Pressure (PSI)
 - Coolant Temp (deg F)
 - Battery Voltage
 - Engine Speed (RPM)
 - Operating hours
- ⊙ Annunciate virtually anything that has a dry contact, or a Modbus address
 - Generator Sets
 - ATS's
 - Doors
 - HVAC systems
 - Temperatures
 - Pressures
- ⊙ Include basic controls:
 - ESTOP Pushbutton
 - Start/Stop Switch
- ⊙ Annunciators can be provided in a separate control cabinet, or as an integral part of an APT system
- ⊙ We'll work with you to determine what features and how to best annunciate the items you wish to monitor

Remote Generator Monitoring & Control

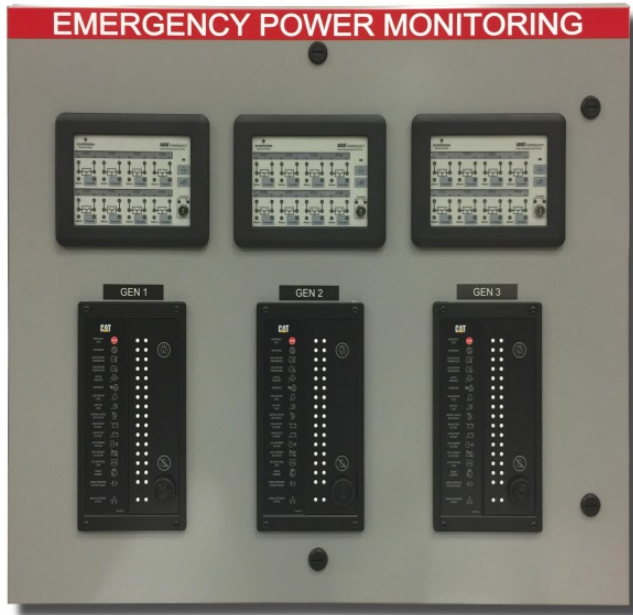


Figure 3: APT Emergency Power Monitoring Panel for Three Automatic Transfer Switches & CAT Generators



Figure 4: APT Emergency Power Monitoring Panel for Three Automatic Transfer Switches & One Cummins Generators

Remote Generator & ATS Annunciators & Control Panel

- ⊙ Three position Engine Control Switch (run/start, off/reset, auto)
- ⊙ Voltage adjust rheostat or switch
- ⊙ Indicating lamps (Discrete LED's)
 - Status (Green Indicating LED)
 - Panel Energized
 - Engine Ready
 - Alarms (Amber Indicating LED)
 - Common Alarm
 - Engine Off
 - Shutdowns (Red Indicating LED)
 - Emergency Stop
- ⊙ APT Standard 100W, 120VAC to 24VDC Power Supply
- ⊙ Unwired terminal blocks for customer use
- ⊙ Din rail mountable ATS Ride through Capacitor
- ⊙ Wired to mounted Annunciators
- ⊙ ATS Annunciators
- ⊙ Generator Annunciators
- ⊙ Optional Analog Circuit Breaker Control
- ⊙ Fiber/Ethernet Communications Converter
- ⊙ Custom Application Identification labels

About Advanced Power Technologies



Advanced Power Technologies (APT) is on the cutting edge of the latest engineered power system smart technologies, as it relates to microgrid & storage management, renewable & conventional energy source deployment, demand peak shaving, and facility back-up and co-generation power systems. Located in the central United States and headquartered in Lafayette, Indiana with solutions development engineers around the country, APT provides domestic and international products and services to industry leading companies from around the world. APT engineers have decades of power system experience from working with some of the largest companies in industry. Over the last two decades, we have produced successful solutions for hundreds of large-scale electric power projects involving utility/generator paralleling, transfer, peak shaving, and distribution. We pride ourselves in providing electrical power systems that are engineered and custom built, utilizing state-of-the-art technologies to fit our customer's exact needs. The core of our business is low & medium voltage engineered power systems for a wide range of indoor & outdoor applications, such as:

- ⦿ Utility(ies) and Generator(s) Paralleling/Transfer/Peak Shaving/Distribution Switchgear
- ⦿ Microgrids, Microgrid Master Control Panels, SCADA systems
- ⦿ Containerized Battery Energy Storage Systems (BESS)
- ⦿ Photovoltaic (PV) Solar Power Collection/Distribution & Renewable Energy Storage Systems
- ⦿ Low & High Resistance Grounding Systems, Grounding Systems for Photovoltaic Effective Grounding
- ⦿ High Efficiency Combined Heat and Power Switchgear & Control Systems (CHP, Co-generation)
- ⦿ Outdoor Walk-In Electrical Houses (E-Houses) & Skid-Mounted Switchgear
- ⦿ Motor Control Centers & Motor Control Switchgear
- ⦿ Automatic & Manual Load Transfer Switchgear
- ⦿ Bypass/Isolation & Power Distribution Circuit Breaker Switchboards
- ⦿ Generator/Loadbank Quick Connection Switchgear, Switchboards, & Tap Boxes
- ⦿ Industrial Control Panels

Please see our product webpages on www.appt-power.com for product brochures and relevant information. Actual products may look different from images shown on the website and in brochures, based on actual specifications.

APT cares and understands that each power system is different. We will evaluate various solutions in order to develop the best solution for a site. APT focuses on our ability to a combine several traditional pieces of equipment/functionality into as little of a footprint possible. This saves on space, the cost of equipment, cost of installation, and accomplishes the most optimal/state-of-the-art design your facilities. APT's desires to foster and grow a culture of continued open communication with each customer. Let APT be your source to provide fully engineered power system equipment solutions for the full customer facility on time, on or under budget, and in the smallest footprint possible. We are always available to assist customers and engineers representing customers in the development of complex power solutions for all facility types.