

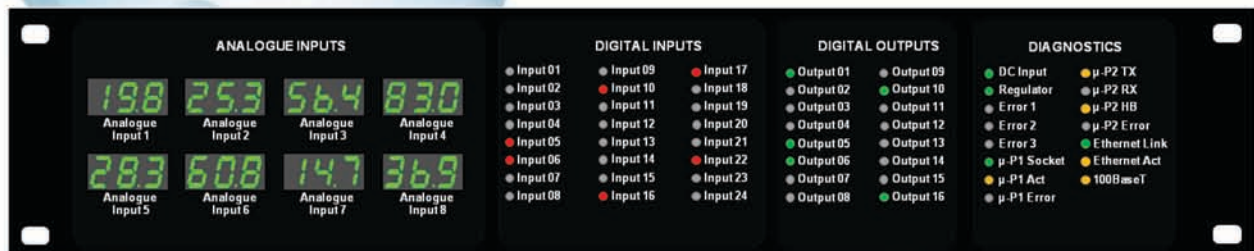
STATUS & ALARM MONITORING & CONTROL



Remote site management (Monitoring & Control) is essential for network operators to detect any equipment failures on remote sites and to be able to perform corrective measures. Typical problems facing network operators is often the difficult access to the remote sites, sometimes hampered by bad weather conditions, and the time to get to the site.

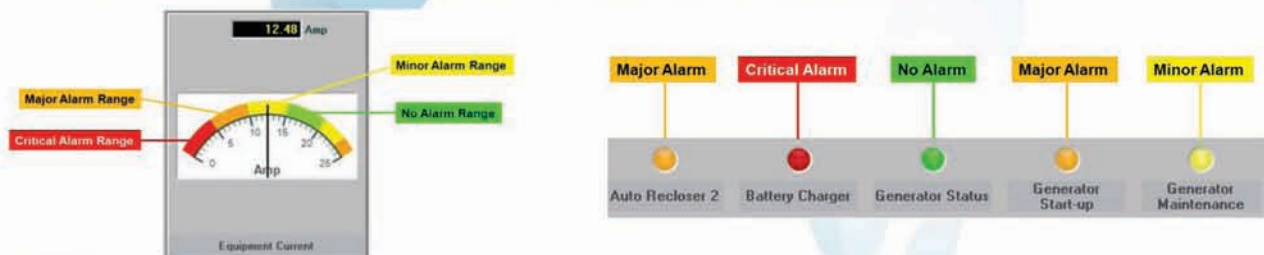
ESS has designed a Remote Management System called the ESS S&A RTU (Status & Alarm Remote Terminal Unit) that will allow network operators to receive instant notification of any minor, major or critical site events. Control of maintenance personnel will automatically be informed about the problem and can plan effectively for the corrective task.

Various remote analogue and digital sensors can be using a choice of different communication technologies. The ESS S&A RTU allows for exceptional flexibility and modularity with the ability to provide 100% redundancy for critical management. The management and control software consists of easy to use display and controls with self explanatory alarm notifications (SMS, SDS and e-mail).



ESS S&A RTU features:

- Low bandwidth utilization due to optimized application layer protocol
- Remote programmable IO's
- Up to 8 analogue 0/4 – 20 mA instrumentation inputs, isolation optional
- 12 bit A/D, accuracy better than 1%
- Programmable 7-segment display for analogue inputs
- 24 Digital Inputs, optically isolated with secondary lightning protection
- 16 Digital relay outputs with selectable N/O or N/C contacts
- Logic Control via user friendly interface
- Programmable LED display functionality (e.g. red LED on open contact)
- Rear panel with visible LED's for IO electrical status
- Various isolated input supply modules available (48 VDC, 24 VDC & 12 VDC)
- 48 VDC module can operate between 36 VDC and 72 VDC
- Compact design, 19 inch 2U height, depth 150 mm
- Plug in connectors for IO's
- On board SD card enabling the user download of configuration files, control files and firmware upgrades remotely via FTP
- Low power consumptions
- Connectivity to LAN, TETRA, MPT1327, DMR and GSM
- Connectivity to OPC based SCADA systems or ESS Status and Alarm control Room Monitoring & Control software servers and clients:



For more information contact your local dealer

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