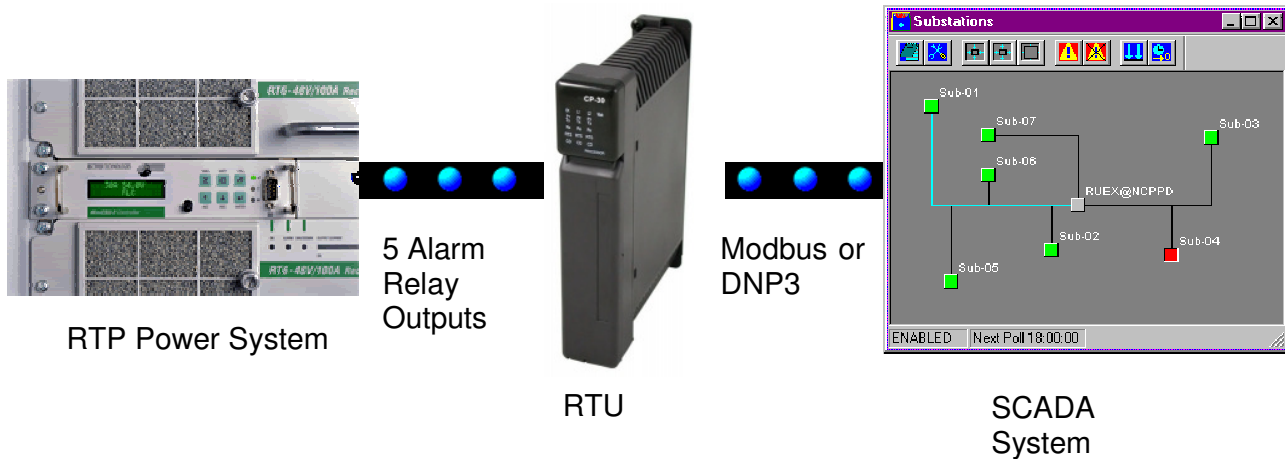


MiniCSU-2/3 Industrial Interfaces

The Rectifier Technologies Pacific (RTP) power system MiniCSU-2/3 controller combined with industry standard compliant remote terminal units (RTUs) provides SCADA alarm monitoring functionality.

RTP has teamed up with Semaphore Inc and Brainchild Electronic Ltd to provide our customers with a range of industrial interface solutions depending on the application and budget.

The 5 programmable alarm relays of the MiniCSU-2/3 controller interconnected to either the Semaphore Inc or Brainchild Electronic Ltd. RTU systems provide a simple and reliable SCADA interface for monitoring alarms.



Semaphore Inc, Kingfisher CP-11 System

The Kingfisher Series is a powerful RTU line that features an embedded programming and configuration environment as well as the extended memory and power of a PLC.



The Kingfisher Plus+ Series is compatible with over 70 communications protocols including Kingfisher, DNP3, Allen Bradley DF1, Omron, and Modbus RTU applications. As well as a range of physical interface standards including:

- Serial Option Board - The isolated serial option board provides an RS232C, RS485 or an RS422 interface.

SER-I (isolated)



- Ethernet Option Board - There are two versions of the Ethernet option boards RJ45 wired and MT-RJ optical

E'NET (T option)

E'NET (A option)



- Fibre Optic Option Board - The fibre optic option board provides a serial interface via a fibre optic cable.



Individual I/O modules can be assembled in almost any configuration to achieve the best solution, including the multi I/O modules that combine analogue and digital I/Os in one module (e.g. 2 x AI, 8 x DI, 2 x DO). Analogue inputs can be modified from current inputs to voltage inputs.

- Input Current Ranges 4 to 20 mA or 0 to 20 mA
- Input Voltage Ranges 1 to 5 V and 0 to 5 V

Brainchild Electronic Ltd, Data Acquisition Modules - Distributed IO Modules

The Brainchild Electronic Data Acquisition Modules are cost effective and simple to use modules that provide connectivity to SCADA via a pre-configured Modbus RTU on a physical RS485 interface.

There two options that integrate well with the MiniCSU-2/3 controller.

16 Digital Inputs

These modules provide 16 digital inputs, which allow multiple MiniCSU-2/3 controller system on the one site to be connected to the one module.



8 Analogue Inputs Fully Isolated

These modules provide 8 analogue inputs with an isolation barrier of 350 V (Peak to Peak, Channel to Channel). The analogue input range options are 0 - 1V / 0 - 10V / $\pm 1V$ / $\pm 10V$.



Conclusion

Contact your local Rectifier Technologies Pacific representative for an intelligent charger with an integrated interface to your existing SCADA.

e-mail: sales@rtp.com.au

website: www.rtp.com.au.

For more information on the RTUs see:

Semaphore Inc.: www.cse-semaphore.com

Brainchild Electronic Ltd.: www.brainchild.com.tw