



## Type Approval - Electrical

<b>Approval Number</b>	EL 00009
<b>Manufacturer</b>	Shanghai Foxboro Company Limited
<b>Manufacturing Plant</b>	Shanghai, China
<b>Product Description</b>	<p>SCD5200 SCADA Remote Terminal Unit, complete with the following cards</p> <ul style="list-style-type: none"><li>• SY-0399131 Power Supply Module (18 to 164 V dc)</li><li>• SY-0399144 CPU/OptoNet/Ethernet(COE)</li><li>• SY-0399143 CPU/OptoNet/Power Supply/Ethernet (18 to 164 V dc)</li><li>• SY-0399122 Dual Communications Module Optical DNP3 (future use)</li><li>• SY-0399132 8 Channel Serial Module RS-485 / RS-232</li><li>• SY-0399160 32 Digital Input (24V to 129V) 4 Analog Input (1kV isolated) Module</li><li>• SY-0399085 20 Analog Input (1kV isolated) Module</li><li>• SY-0399089 24 Digital Input (24V)/6 Analog Input/6 Pilot Relay Output Module</li><li>• SY-0399088 24 Digital Input (24V)/6 Analog Input/8 Mini-Pilot Relay Output Module</li><li>• SY-2003098 Ten I/O slot card file (standard size)</li><li>• SY-2003100 Five I/O slot card file (compact RTU)</li><li>• SY-2003103 Two I/O slot card file (for restricted spaces)</li><li>• SY-0399136 8 x 10 Amp Digital (Relay) Output Module</li><li>• SY-1018541 100 Ohm resistor</li><li>• SY-0399134 Blanking plate</li><li>• SY-1051037 Optonet cable</li><li>• SY-1101190 RTU SW Configurator CD</li></ul>

Modules currently in use, but not to be used for new locations

- SY-0399111 Dual Communications Module V.23 Conitel
- SY-399130, SY-399129 older CPU cards

**Approved for**

Use in existing and new RailCorp substations and other locations where monitoring is required by the Electrical SCADA system.

**Conditions**

Type approval is given subject to the following restrictions:

- Staff that configure the RTU are competent to programme the SCD5200
- Maintenance AEOs carry the recommended number of spares (10% of the total number of items installed) to do first level support
- Maintenance AEOs add maintenance tasks to the asset management system, including checking for loose cards and connections and checking batteries as well as dusting as required
- Communication fibre shall be available at the site
- The RTU and interfaces shall comply with TfNSW SCADA standards
- The RTU shall be housed in a cabinet appropriate for the location
- Accessories such as power supplies and isolating relays shall be type approved separately
- The cabinet, batteries (if required) and other accessories shall meet EP 11 03 00 02 SP

Approved:

Date:

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Neal Hook

Lead Electrical Engineer