

# Transmission and Distribution Solutions From Telescada

## NeXGen™ RTU 8844

## PRODUCT BRIEF



The Telescada NeXGen™ RTU 8844 Remote Terminal Unit is a powerful, flexible and economical solution for distribution substation, feeder and recloser automation, monitoring, alarming and control. Built upon a modular and expandable framework, the NeXGen™ RTU 8844 meets the needs of distribution engineers for the monitoring and control of new distribution facilities or the upgrade of existing ones.

The NeXGen™ RTU 8844 flexible design provides users with an I/O core of 8 configurable analogs, 8 digital status points and 4 Control Outputs. The NeXGen™ RTU 8844 can be expanded to add additional I/O through the networking of additional NeXGen™ modules.

The NeXGen™ RTU 8844 is an addressable, distributed RTU that can be quickly expanded to meet the specific requirements of the user. In addition to configurable I/O the NeXGen™ RTU 8844 serves to consolidate and transmit data from IEDs (intelligent electronic devices) via 2 (two) RS-232/RS-485 serial communications links. Ethernet and RS-232 communications ports allow for remote data transmission via radio, dial-up, cellular or fiberoptic transceivers with store and forward repeating.

A local maintenance port allows for direct interrogation and programming of the NeXGen™ RTU using the NeXGen™ NGC Maintenance Utility Software. DNP3 standard communications protocol allows the NeXGen™ RTU to communicate with any modern SCADA system. The NeXGen™ RTU core's small footprint allows for quick installation on distribution panels, or mounting within a wall mount or pole top enclosure. The NeXGen™ RTU supports multiple input voltages, and complete NeXGen™ RTU, power and communications packages are available from Telescada.

### ■ Analog Inputs

- 8 (eight) Configurable Analog Inputs
  - +/- 5VDC, or
  - 4-20mA Input Configurable
- Data and Event Recording on Each Channel

### ■ Control Outputs

- 4 (four) Control Outputs, configured as
  - 2 (two) General Purpose Dry Contacts Outputs
  - 2 (two) Form C (SPDT) Relays
  - Rating, 30A at 250 VAC, 20A at 28 VDC
  - Configured as timed, momentary or latching

### ■ Power Supply & Physical Form Factor

- 6 - 18VDC Input Supply (AC Supply Options)
- Power Status LED
- Heartbeat and Logic Status LEDs
- 8.375" x 7.375" x 1.500" Panel Mount Enclosure

### ■ Digital Inputs

- 8 (eight) Optically Isolated Digital Status Inputs
- LED Status Indicators for Each Input
- Data and Event Recording On Each Channel

### ■ Communications

- 1 (one) Ethernet Communication Port
- 2 (two) RS-232/485 IED Communication Port
- 1 (one) Local Maintenance and Configuration Port
- Store and Forward Radio Repeating
- DNP3 Protocol Standard

### ■ Environmental

- Operating Temperature range: -40° to +80°C
- Storage Temperature: -40° to +90°C
- Humidity: 93% non-condensing at 55°C

**Monitor, Alarm, Record, Communicate and Control**

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