

elecsys SENTRALINK DR

Remote Monitor and Data-Logging System for Sensors, Transducers, and Field Operations Equipment

The SentraLink DR remote data acquisition and logging system can revolutionize data collection and monitoring from any type of field sensor. The unit has four 4-20mA, 0-5V, or 0-10V sensor/transducer inputs with data sampling intervals down to 250ms, and all measurements are stored in 8GB of internal memory. The unit utilizes a user-definable “floating dead-band” enabling the unit to track and immediately report significant incremental data changes as well as extreme alarm conditions. SentraLink DR’s are equipped with two additional digital inputs for use as status/tamper alarms or pulse accumulation.

The SentraLink DR supports a daily timed reporting/reset capability for billing cycle purposes and also accommodates monthly reset intervals. The Elecsys SentraLink DR combines the data frequency and availability demands of the control room with the economical operation of report by exception monitoring to enable total access to data from any device, anywhere!



FEATURES



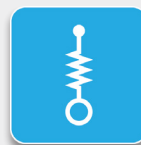
Programmable over the web



Surge resistant circuitry



Rechargeable NiCd backup battery for notification of power failure



4 high-speed (250ms) sensor/transducer inputs, and 2 digital dry-contact/pulse accumulator inputs



APPLICATIONS

- Well site monitoring
- Remote multi-channel data logging
- Regulator station monitoring
- Pressure monitoring
- Tank level monitoring
- Lift station monitoring

SPECIFICATIONS

Part Number	CDMA cellular telemetry: SL-DR-N1 GSM cellular telemetry: SL-DR-N3 IDP satellite telemetry: SL-DR-S3 External cell antenna kit: 48-0003-21
Input Connections (sensor/transducer)	Channels 1 – 4: Sensor excitation voltage 24VDC 1-5 Volt 3-wire sensor (1% of measurement accuracy and 1mV resolution) 1-10 Volt 3-wire sensor (1% of measurement accuracy and 1mV resolution) 4-20 mA 2-wire sensor (1% of measurement accuracy and 1uA resolution) 4-20 mA 3-wire sensor (1% of measurement accuracy and 1uA resolution) Sample frequencies independently selectable for all channels: 250ms, 500ms, 1sec, 10sec, 30sec, 1min, 10min, 1hr, 4hrs, 8hrs, 12hrs, 24hrs
Input Connection (digital)	Channels 5 and 6 – Digital inputs configurable for dry-contact alarm or status reporting (normally open or normally closed), or for pulse accumulation (supports daily and/or monthly billing cycle accumulation and reset)
Power	Power required: 10-35VDC or 12-25VAC external power input Internal rechargeable NiCd battery pack provides backup power for alarm notification in the event of a power failure Power consumption: 1.8W @ 15V typical, 20W transmitting
Operating Environment	Temperature: -40°C to +85°C (-20°C to +70°C in battery backup power mode) Humidity: 0-95% non-condensing Enclosure: Lockable NEMA 4X polycarbonate
Size	6.5" (155mm) x 8.5" (215mm) x 4" (102mm)
Installation	Universal brackets included for mounting inside a cabinet, pole mount, or post mount Connection cables: 1 ea. 7' (2.1m) power cable, 1 ea. 7' (2.1m) measurement cable

REMOTE ASSET VISIBILITY EVERYWHERE!

The Elecsys SentraLink DR offers groundbreaking flexibility for remote sensor device communication. The SentraLink DR's four analog sensor input channels provide the continual measurement frequency demanded by operational and SCADA personnel for critical and semi-critical systems, while extending the communication area far beyond the limits of the typical SCADA network. The 8GB remote data-logging capability assures availability of all measurements, and all data can be retrieved from the field unit over the web.

The web interface supplies the user with real-time connectivity to the field device, and unparalleled data management and report generation flexibility at the click of a mouse. The SentraLink DR effectively extends the field data network to everywhere, connecting industry to the world!

Please visit us at www.elecsyscorp.com/sentralinkdr

MAJOR MARKETS



Oil



Gas



Water



Agriculture