

Cub Reporter Monitoring System

Key Features

- **±24 and -48V Versions**—covers monitoring requirements in wireless, remote terminal and central office applications
- **Remote Relay Trip**—provides alarm testing, engine start-up and load transfer without on-site personnel
- **Front Access**—cabinets provides fast installation and service
- **Extensive Help Menu**—saves time with simple access commands
- **Custom Alarm Capability**—you program alarm reporting configuration to meet your system requirements
- **User Friendly**—easy remote access by phone or modem/terminal
- **Environmentally Hardened**—may be used in uncontrolled and extended temperature environments
- **UL Listed**—compliance to local codes
- **Fast, Accurate, Economical**—practical for all unattended sites

Description

The Cub Reporter is a user programmable data acquisition and alarm monitoring system, designed for use in small unattended offices, huts and CEVs. Both analog and binary input data are monitored, collected and stored for later use. Its size, 1.75" (4.45 cm) H x 19" (48.26cm) or 23" (58.42 cm) W x 11.13" (28.24 cm) D, makes it suitable for relay racks or equipment cabinets. The temperature hardened design is suitable for environments from -40° C to +65° C (-40° to +149° F). Local LED indicators provide on-site technicians with system relay status. It is available in ±24 or -48 VDC models.

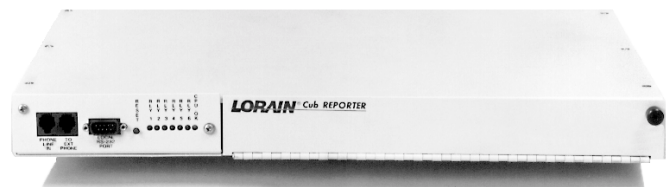
Application

The Cub Reporter supports monitoring applications ranging from the remote terminal to the central office. In the remote terminal, critical information like battery voltage, temperature and rectifier alarms are monitored constantly and accessible remotely. Important power plant alarm information at the customer premise is monitored and sent to off-site technicians for evaluation and action.

The Cub Reporter when used in conjunction with CDO or small CO power plants provides battery voltage, plant load and distribution load monitoring locally and remotely. Critical alarm information is sent to the off-site technician via modem or through the office alarm system depending upon alarm requirements.

Multi-Level Security

Three levels of password protection add security to the system by allowing different users certain levels of menu and command access. The first security level permits the display of all basic operating information. Levels 2 and 3 are enhanced access levels.



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Analog and Binary Inputs

The Cub Reporter analog inputs are used for monitoring continuous signals, like plant voltage and temperature. Binary inputs monitor alarm signals that are generated by the opening or closing of a relay contact.

There are four pre-configured analog inputs and four configurations for specific load monitoring requirements. Four additional user selectable analog inputs are available for customized alarm monitoring.

Sixteen binary inputs are provided as standard equipment. The inputs are used to monitor contact closure alarm signals from the power plant, rectifiers, peripheral equipment. Alarm signals are activated by the absence or presence of a single wire applied voltage or ground.

Alarm/Relay Outputs as Standard Equipment

Six user programmable Form A relays may be used to energize or release in accordance with any monitored input or combination of inputs, time intervals or day of the month. Relays may be operated by remote access or programmed to have delayed operation when energizing or releasing. A red LED indicates local relay activation and a green CPU-OK-LED indicator that extinguishes upon deactivation of the System Fail Relay.

Module Specifications

24 VDC Cub Reporter

Specifications

Voltage

Current

Contact Arrangement

Rating

User Programmable Relays

Nominal 24 VDC; Input Range 19-35 VDC

0.4 amps, typical

Form A

0.6A at 125 VAC; 0.6A at 110 VDC; 2.0A at 30 VDC

48 VDC Cub Reporter

Specifications

Voltage

Current

Contact Arrangement

Rating

User Programmable Relays

Nominal 48 VDC; Input Range 41-60 VDC

0.2 amps, typical

Form A

0.6A at 125 VAC; 0.6A at 110 VDC; 2.0 A at 30 VDC

Additional Information

For additional specification, engineering and installation information, specify model SMART Cub Reporter, spec. number 586503800 (24 volt) or spec. number 586503600 (48 volt).



www.marconi.com/power

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