

BTMGlobal

Monitoring Controller

BTM Global controller provides battery health related data not only locally (in the battery or control room), but also globally to specified locations, such as a central monitoring station, or even to unspecified locations on demand via Internet connectivity.

The system is also capable of utilizing various communication links such as E-mail, Voice, and Pager messages, for announcing critical conditions in the battery room to the personnel responsible for taking corrective action when necessary.



The system report engine was designed with proactive maintenance programs in mind. The main goal of the reporting system is to provide the Maintenance Group with supportive information about the batteries between maintenance intervals, such as floating conditions, number and durations of discharges, recharges, or long-term trends indicating the rate of battery aging.

The data is presented in 3 levels. The first contains the primary data (e.g., voltages, current, float-current, AC-ripple, ambient and pilot temperatures).

The second level contains the calculated and predicted data (e.g., battery internal resistance, intercell strap resistance, battery float index, discharge / charge responses and predicted capacity).

The final level contains the trending data (e.g., floating voltage and current abnormalities, internal resistance of the jar, individual cells discharge and charge response and their trends over time).

Data can be collected over the Internet (in HTML format) allowing the Maintenance Group to plan corrective actions before visiting a site. Overall, higher reliability in backup power is provided with less time, and with multiple site installations, management becomes significantly easier.

Features:

- **Provides Data over the internet**
- **Uses standard web browsers**
- **History and aging reports**
- **Alarm dial out, email & fax capable**
- **Centralized monitoring**
- **Large storage capacity**
- **Handles large installations**
- **Very Fast data scanning**



Polytronics Engineering Ltd.

Toll Free: 877.355.5550
www.polytronicseng.com

BTMGlobal Monitoring Controller

Operating under the most robust and reliable operating system, Linux, the controller can perform multi-level report generation, act as a web server and supervise various alarm and messaging capabilities.

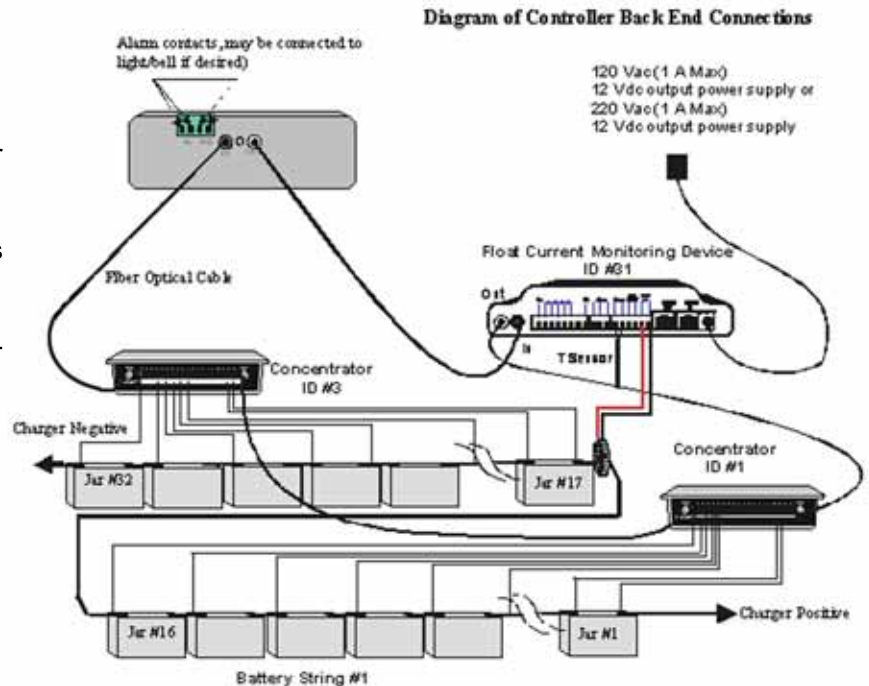
The device is capable of acting as a Web Server for battery data, sending extended data as an e-mail attachment (upon request), notifying critical system conditions locally (contact closure), and remotely as email or fax messages. The device is also capable of creating and synchronizing (timer/change based) a mirror site on an Internet Server and communicating with a central monitoring system using standard protocols such as MODBUS.

The system report engine was designed with proactive maintenance programs in mind. The main goal of the reporting system is to provide the Maintenance Group with supportive information about the batteries between maintenance intervals, such as floating conditions, number and durations of discharges, recharges, or long-term trends indicating the rate of battery aging.

The BTMGlobal controller can be used as the central controller for a variety of Polytronics battery monitoring systems. Based on the number of jars and customer preferences, different components are used to make up a System.

BTM Global controller provides battery health related data not only locally (in the battery or control room), but also globally to specified locations, such as a central monitoring station, or even to unspecified locations on demand via Internet connectivity.

The system is also capable of utilizing various communication links such as E-mail, Voice, and Pager messages, for announcing critical conditions in the battery room to the personnel responsible for taking corrective action when necessary.



Basic elements Include the following:

- BTM Concentrator; low/high range data acquisition device with 30 input channels.
- Global System Controller
- Factstar II - Float current monitor
- Fiber Optic Cabling
- Clips - Fused and Resistive