CYPRESS ENVIROSYSTEMS

GREEN BOX CONTROLLER
(GBC-830-COM)

FEATURES:

- Integrates with HUB to log, display, control, and trend data from WPT Network
- Built-in web pages for direct access to data and trending
- Each GBC supports 100 to 150 WPT's in typical installation*
- Create and manage setpoint change schedules
- Built-in BACnet/IP connectivity for integration with existing Building Automation Systems
- Alarm notifications via emails
- Stores up to one month of historical data
- Easy to mount on wall
- Fanless low-power design
- Supports dual 10 / 100/ 1000 Mbps Ethernet ports
- ROHS Compliant

Network and Data Controller for Cypress Envirosystems WPT networks. Use to make data available to existing building automation systems, or use standalone with the WPT Web interface.

The Green Box Controller (GBC) is a flexible communications gateway that logs data from the Cypress Envirosystems WPT network and provides it to users and building automation systems through a variety of interfaces.

For users with existing building automation systems and operator workstations, it provides data over BACnet/IP for seamless integration and transparent co-existence with direct digital control systems.

For users which do not need to connect to existing infrastructure, the Green Box Controller can also provide data directly to users via a standalone web interface accessible via a web browser from any computer. Alarm notification may be sent to any email address, which may be routed to any cell phone via text message.

*The design maximum is 225 WPT per GBC, but most building layouts impose a practical limit of about 100 WPT's per GBC.

KEY PRODUCT SPECIFICATIONS:

Operating System:	Microsoft Windows 10 IoT Enterprise LTSC (support till Feb 2032)
User Interface:	Built-in web pages for easy web browser access to control, data and trending
Available Data Protocols:	BACnet/IP for building Ethernet LAN; RESTful API
Mobile Access:	Alarm notification via email or text message
Approvals:	ROHS compliant; certified by US Federal GSA for use on US Gov't networks
Power Supply:	Input: 90-264VAC, 36W; Output: DC 12V @ 3A
Humidity:	10% - 90%, non-condensing
Operating Temperature:	-4°F to 131°F (-20°C to 55°C)
Storage Temperature:	-4°F to 131°F (-20°C to 55°C)
Vibration Endurance:	3 Grms (5 – 500Hz, X Y, Z directions)
Dimensions:	Length – 7.87 in (200mm) Width – 4.72 in (120mm) Depth – 1.81 in (46mm)
Weight:	3.97lb (1.8kg)

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