

The Amphenol nrgCONTROL-BT coordinates and collects data for thirty nrgSMART enabled devices. Panels are connected over a simple daisy chain connection. One IP address is all that is required for all attached PDU panels.

For new deployments the controller interface is built into the nrgBDFB. For expansion, single rack deployment or outdoor enclosures we provide the 1RU controller.

The nrgCONTROL-BT is capable of connecting to DC power in the range of -20 to -57V. Redundant power input is also configurable. The panel provides total front access to fuses and LED status. All terminals for inputs, outputs, ground and alarms on are on the rear of the panel. The open frame design allows easy access while the clear cover provides added protection after installation is complete.

Using nrgSMART Hosted Data and the Web portal provides network wide access and visibility to sites that deploy the nrgSMART controller/PDU panels. Get real-time data such as current, voltage, breaker trips or blown fuses, and temperature for individual circuits. Uniquely identify and label assets to their individual circuit. It is now possible to track performance based on asset.

Primary Benefits

- Individual circuit level monitoring
- High accuracy, 100% passive monitoring, modular sensor modules
- Collect feed voltage, circuit current and temperature
- Network data collection:
 - Data is collected and sent to a customer's enterprise management system via SNMP



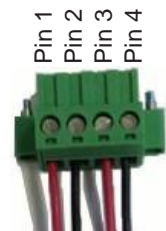
Front view



Rear view

SPECIFICATIONS:	
Inputs/Outputs	
Connection to configuration wizard	10/100 Ethernet, RJ-45 jack
Connection to data server	10/100 Ethernet, RJ-45 jack
Connection to nrgSMART panels	nrgNET
Supported browsers	IE 11.0, Chrome, Firefox
Voltage range (nominal)	-20V to -57V (Nominal -48 VDC)
Input power wire size	#18-12 AWG
Max. operating current	3A (80% of 4A fuse rating)
SD card capacity	4 Gigabytes
SD card type	Micro SD
Grounding	
Earth GND terminal bolts (with washers) for dual-hole compression lug	<ul style="list-style-type: none"> • Two pair of 1/4-20 threaded holes on 5/8 in. centers. • Torque bolts (using 7/16 in. or 12 mm wrench) to 50 in.-lb. (5.5 N•m), max.
Environmental	
Temperature	-5° to 55°C (23° to 131°F)
Humidity	0 to 90%, non-condensing
Mechanical	
Dimensions (L x W x H)	8.99" x 17" x 1.73"
Weight	8.7 lbs. (10.7 lbs. shipping)
Material	Cold-rolled steel
Finish	Gray, powder coat
Mounting	19" or 23" rack mounting; EIA and WECCO
Compliance	
	UL, NEBS Level 3

Pin No.	Feed	Voltage Polarity
Pin 1	A Feed	Positive Voltage
Pin 2	B Feed	Negative Voltage
Pin 3	C Feed	Positive Voltage
Pin 3	D Feed	Negative Voltage



nrgCONTROL-BT DC power pin out