BERT® Smart Plug Series Data Sheet

Plug-in measurement and control for individual 110V/15A devices

	BERT 110 M	BERT 110 X
Dimensions	3.5" W x 3.5" H x 2" D	3.5" W x 3.5" H x 2" D
Weight	4.2 Ounces	4.4 Ounces
Voltage	120 Volts	120 Volts
Amperage	Up to 15 Amps	Up to 15 Amps
Operating Environment	Indoor Use Only	Indoor Use Only
Manual Override Button	Yes	Yes
BAS Integration	BACnet/IP	BACnet/IP
Standard Software	Measurement, Analysis and Control	Measurement, Analysis and Control
Intelligent Control Options	Threshold and Temperature	Threshold and Temperature
Measurement Accuracy	+/-5%	+/-5%
Measurement Update Frequency	Configurable: 1 to 999 seconds	Configurable: 1 to 999 seconds
Stored Measurement Data - Server	Unlimited	Unlimited
Stored Measurement Data - Bert	14-Day Rolling Log	14-Day Rolling Log
M & V Reporting	Daily, Weekly, Monthly, Yearly or User Defined	Daily, Weekly, Monthly, Yearly or User Defined
Wireless Specifications	2.4 GHz, 802-11 b/g	2.4/5 GHz, 802.11 a/b/g/n
Communication Protocol	UDP	UDP
Network Security	WPA/WPA2-PSK	WPA/WPA2-PSK, WPA/WPA2-Enterprise
Certifications	UL 916 and 60950-1, FCC	UL 916 and 60950-1, FCC

RECOMMENDED DEVICES FOR USE WITH BERT SMART PLUGS
Printers, Copiers, Projectors, Charging Carts, Vending Machines, Large Coffeemakers, Hot/Cold Beverage Dispensers, Window AC units

BERT® Inline Series Data Sheet

Hardwired Measurement and Control for 20A Devices and Circuits

	BERT 120 I	BERT 120 IR
Dimensions	3.125"W x 4.875"H x 1.75"D	4.94"W x 4.875"H x 1.75"D
Electrical Box - Minimum Depth	2.5 Inches	2 Inches
Electrical Box - Minimum Volume	18 Cubic Inches	30 Cubic Inches
Weight	7.1 Ounces	7.6 Ounces
Voltage	120 Volts	120 Volts
Amperage	20 Amps	20 Amps
Wiring Options	Series or Parallel	Series or Parallel
Operating Environment	Indoor Use Only	Indoor Use Only
Manual Override Button	Yes	Yes
BAS Integration	BACnet/IP	BACnet/IP
Standard Software	Measurement, Analysis and Control	Measurement, Analysis and Control
Intelligent Control Options	Threshold and Temperature	Threshold and Temperature
Measurement Accuracy	+/-5%	+/-5%
Update Frequency	Configurable: 1 to 999 seconds	Configurable: 1 to 999 seconds
Stored Measurement Data - Server	Unlimited	Unlimited
Stored Measurement Data - Bert	14-Day Rolling Log	14-Day Rolling Log
M & V Reporting	Daily, Weekly, Monthly, Yearly or User Defined	Daily, Weekly, Monthly, Yearly or User Defined
Wireless Specifications	2.4/5 GHz, 802.11 a/b/g/n	2.4/5 GHz, 802.11 a/b/g/n
Communication Protocol	UDP	UDP
Network Security	WPA/WPA2-PSK, WPA/WPA2-Enterprise	WPA/WPA2-PSK, WPA/WPA2-Enterprise
Certifications	UL 916 and 60950-1, FCC	UL 916, and 60950-1, FCC
Installation	Licensed Electrician	Licensed Electrician

RECOMMENDED DEVICES FOR USE WITH THE BERT INLINE SERIES
Air Conditioners, Heaters, Electric Hot Water Heaters, PTAC units, Exhaust Fans, Commercial Refrigeration Equipment, Indoor/Outdoor Lighting, Air Handling Units

BERT® Inline Series Data Sheet

Hardwired Measurement and Control for 20A Devices and Circuits

	BERT 240 I	BERT 240 IR	BERT 277 I
Dimensions	3.125"W x 4.875"H x 1.75"D	4.94"W x 4.875"H x 1.75"D	3.125"W x 4.875"H x 1.75"D
Electrical Box - Minimum Depth	2.5 Inches	2 Inches	2.5 Inches
Electrical Box - Minimum Volume	18 Cubic Inches	30 Cubic Inches	18 Cubic Inches
Weight	7.1 Ounces	7.6 Ounces	7.1 Ounces
Voltage	250 Volts	250 Volts	277 Volts
Amperage	20 Amps	20 Amps	20 Amps
Wiring Options	Series or Parallel	Series or Parallel	Series or Parallel
Operating Environment	Indoor Use Only	Indoor Use Only	Indoor Use Only
Manual Override Button	Yes	Yes	Yes
BAS Integration	BACnet/IP	BACnet/IP	BACnet/IP
Standard Software	Measurement, Analysis and Control	Measurement, Analysis and Control	Measurement, Analysis and Control
Intelligent Control Options	Threshold and Temperature	Threshold and Temperature	Threshold and Temperature
Measurement Accuracy	+/-5%	+/-5%	+/-5%
Update Frequency	Configurable: 1 to 999 seconds	Configurable: 1 to 999 seconds	Configurable: 1 to 999 seconds
Stored Measurement Data - Server	Unlimited	Unlimited	Unlimited
Stored Measurement Data - Bert	14-Day Rolling Log	14-Day Rolling Log	14-Day Rolling Log
M & V Reporting	Daily, Weekly, Monthly, Yearly or User Defined	Daily, Weekly, Monthly, Yearly or User Defined	Daily, Weekly, Monthly, Yearly or User Defined
Wireless Specifications	2.4/5 GHz, 802.11 a/b/g/n	2.4/5 GHz, 802.11 a/b/g/n	2.4/5 GHz, 802.11 a/b/g/n
Communication Protocol	UDP	UDP	UDP
Network Security	WPA/WPA2-PSK, WPA/WPA2-Enterprise	WPA/WPA2-PSK, WPA/WPA2-Enterprise	WPA/WPA2-PSK, WPA/WPA2-Enterprise
Certifications	UL 916 and 60950-1 FCC	UL 916 and 60950-1, FCC	UL 916 and 60950-1 FCC
Installation	Licensed Electrician	Licensed Electrician	Licensed Electrician

RECOMMENDED DEVICES FOR USE WITH THE BERT INLINE SERIES
Air Conditioners, Heaters, Electric Hot Water Heaters, PTAC units, Exhaust Fans, Commercial Refrigeration Equipment, Indoor/Outdoor Lighting, Air Handling Units