BERT® Inline Series

Hardwired Measurement and Control for 20A/30A Devices and Circuits

	BERT 120I–20	BERT 240I–20	BERT 240I–30
Dimensions	3.125"W x 4.875"H x 1.75"D	3.125"W x 4.875"H x 1.75"D	4.875"W x 4.875"H x 1.75"D
Electrical Box–Minimum Depth	2.5 Inches	2.5 Inches	2.5 Inches
Electrical Box–Minimum Volume	18 Cubic Inches	18 Cubic Inches	30 Cubic Inches
Weight	7.1 Ounces	7.1 Ounces	7.6 Ounces
Voltage	250 VAC	250 VAC	250 VAC
Amperage	20 Amps	20 Amps	30 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
External Integration	BACnet/IP, RESTful Services	BACnet/IP, RESTful Services	BACnet/IP, RESTful Services
Standard Operation	Software for Measurement, Analysis, Control	Software for Measurement, Analysis, Control	Software for Measurement, Analysis, Control
Intelligent Control Options	Threshold, Temperature	Threshold, Temperature	Threshold, Temperature
Measurement Accuracy	+/-3%	+/-3%	+/-3%
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, User Defined	Daily, Weekly, Monthly, Yearly, User Defined	Daily, Weekly, Monthly, Yearly, 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

BERT® Inline 120I – 20

Hardwired Measurement and Control
for 20A Devices and Circuits

Dimensions	3.125″W x 4.875″H x 1.75″D
Electrical Box – Minimum Depth	2.5 Inches
Electrical Box – Minimum Volume	18 Cubic Inches
Weight	7.1 Ounces
Voltage	250 VAC
Amperage	20 Amps
Wiring Options	Series or Parallel
Operating Environment	Indoor Use Only
Manual Override Button	Yes
External Integration	BACnet/IP, RESTful Services
Standard Operation	Software for Measurement, Analysis, Control
Intelligent Control Options	Threshold, Temperature
Measurement Accuracy	+/-3%
Update Frequency	Configurable: 1 to 999 seconds
Stored Measurement Data – Server	Unlimited
Stored Measurement Data – BERT	14-Day Rolling Log
M & V Reporting	Daily, Weekly, Monthly, Yearly, User Defined
Wireless Specifications	2.4/5 GHz, 802.11 a/b/g/n
Communication Protocol	UDP
Network Security	WPA/WPA2-PSK, WPA/WPA2-Enterprise
Certifications	UL 916 and 60950-1, FCC
Installation	Licensed Electrician

BERT® Inline 240I–20

Hardwired Measurement and Control
for 20A Devices and Circuits

Dimensions	3.125"W x 4.875"H x 1.75"D
Electrical Box–Minimum Depth	2.5 Inches
Electrical Box–Minimum Volume	18 Cubic Inches
Weight	7.1 Ounces
Voltage	250 VAC
Amperage	20 Amps
Wiring Options	Series or Parallel
Operating Environment	Indoor Use Only
Manual Override Button	Yes
External Integration	BACnet/IP, RESTful Services
Standard Operation	Software for Measurement, Analysis, Control
Intelligent Control Options	Threshold, Temperature
Measurement Accuracy	+/-3%
Update Frequency	Configurable: 1 to 999 seconds
Stored Measurement Data–Server	Unlimited
Stored Measurement Data–BERT	14-Day Rolling Log
M & V Reporting	Daily, Weekly, Monthly, Yearly, User Defined
Wireless Specifications	2.4/5 GHz, 802.11 a/b/g/n
Communication Protocol	UDP
Network Security	WPA/WPA2-PSK, WPA/WPA2-Enterprise
Certifications	UL 916 and 60950-1, FCC
Installation	Licensed Electrician

BERT® Inline 240I–30

Hardwired Measurement and Control
for 30A Devices and Circuits

Dimensions	4.875"W x 4.875"H x 1.75"D
Electrical Box–Minimum Depth	2.5 Inches
Electrical Box–Minimum Volume	30 Cubic Inches
Weight	7.6 Ounces
Voltage	250 VAC
Amperage	30 Amps
Wiring Options	Series or Parallel
Operating Environment	Indoor Use Only
Manual Override Button	Yes
External Integration	BACnet/IP, RESTful Services
Standard Operation	Software for Measurement, Analysis, Control
Intelligent Control Options	Threshold, Temperature
Measurement Accuracy	+/-3%
Update Frequency	Configurable: 1 to 999 seconds
Stored Measurement Data–Server	Unlimited
Stored Measurement Data–BERT	14-Day Rolling Log
M & V Reporting	Daily, Weekly, Monthly, Yearly, User Defined
Wireless Specifications	2.4/5 GHz, 802.11 a/b/g/n
Communication Protocol	UDP
Network Security	WPA/WPA2-PSK, WPA/WPA2-Enterprise
Certifications	UL 916 and 60950-1, FCC
Installation	Licensed Electrician