



20 A



30 A

BERT® Inline Series

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



	120I-20A	240I-20A	240I-30A
Dimensions	3.125 in W × 4.875 in H × 1.75 in D	3.125 in W × 4.875 in H × 1.75 in D	4.875 in W × 4.875 in H × 1.75 in 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	Press-and-hold button (center of plate); toggles on/off; hold or timed, configurable	Press-and-hold button (center of plate); toggles on/off; hold or timed, configurable	Press-and-hold button (center of plate); toggles on/off; hold or timed, configurable
Status Indication	Light lit when load is on; audible click on switching	Light lit when load is on; audible click on switching	Light lit when load is on; audible click on switching
External Integration	BERT Connect (BACnet/IP), BERT Rest	BERT Connect (BACnet/IP), BERT Rest	BERT Connect (BACnet/IP), BERT Rest
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	30 seconds default; configurable 1 to 999 seconds	30 seconds default; configurable 1 to 999 seconds	30 seconds default; configurable 1 to 999 seconds
Stored Measurement Data – Server	Unlimited	Unlimited	Unlimited
Stored Measurement Data – Controller	14-day rolling log; restored to the gateway after a communication interruption	14-day rolling log; restored to the gateway after a communication interruption	14-day rolling log; restored to the gateway after a communication interruption
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	WPA2-PSK, WPA2-Enterprise (PEAP/MS-CHAPv2)	WPA2-PSK, WPA2-Enterprise (PEAP/MS-CHAPv2)	WPA2-PSK, WPA2-Enterprise (PEAP/MS-CHAPv2)
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

BERTBRAIN.COM 484.690.3820 sales@bertbrain.com

489 Devon Park Drive, Suite 302, Wayne, Pennsylvania 19087