



Know where the power goes

ReliaGear® Panelboard with Branch Circuit Monitoring and AMP1 Integrated Power and Energy Meter

Branch Circuit Monitoring (BCM)

delivers valuable and precise branch usage data from the ReliaGear platform down to the individual branch circuit, enabling users to analyze and identify potential cost-saving actions.

Branch Circuit Monitoring (BCM)



AMP1 Integrated Power and Energy Meter

monitors key electrical parameters of the main power coming into the panelboard. The factory installed AMP1 meter is a completely integrated solution ideal for tenant billing and cost allocation.

AMP1 Integrated Power and Energy Meter



Your efforts to reduce energy consumption begin with making smart decisions. Let our integrated ReliaGear Panelboard solutions help you to identify potential measures that put you on the path to energy and cost savings.

Simply tie your Type RQ, RE or RS panelboard with either our Branch Circuit Monitoring or AMP1 Integrated Power and Energy Meter (into a building automation system) to know where your power goes and how much you're using.



Smart building



Cost savings



Energy efficiency

ReliaGear Panelboard with Branch Circuit Monitoring and AMP1 Integrated Power and Energy Meter

ReliaGear panelboard features

- Symmetrical design – top or bottom entry
- Galvanized enclosures with removable endwalls
- Flush or surface mounting
- Interiors that allow “straight-in” wiring
- Field-installable, 200% neutral for non-linear loads
- Branch-bus direct connection
- Captive hardware on branch breakers
- Bussed SPD for maximum surge protection
- Optional door-in-door or front-hinged-to-box door
- NEMA Type 1, 3R/12 or 4/4X enclosures
- UL-67 approved

BCM features

- IEC Class 1 metering accuracy
- Monitor up to 126 panelboards on a single RS-485 drop
- Reports volts, amps, power, and energy for each circuit
- Monitors 84 circuits (and optional mains by adding additional split core CTs)
- 4 configurable alarm thresholds improve load management
- Ability to set the orientation and numbering of the circuits
- 1/4 to 125¹ Amp monitoring – the widest range available
- 1-, 2-, 3-pole breaker support
- 5-year warranty
- Modbus® RTU via RS-485 communications

AMP1 features

- Solutions up to 800A
- Revenue Grade, ANSI 12.20 0.5% accuracy
- Monitors voltage, amperage, power, and energy
- Backlit LCD Display
- Data logging option helps to ensure data is still preserved locally
- Communicates via Modbus® RTU or BACnet – versatile and widely used protocols.
- User-enabled password protection
- 5-year warranty
- Earn points towards LEED Certification

¹ Must use Split Core BCM for 110A and 125A monitoring.
Solid Core available for 42-84 circuits only, 100A max.
Split Core available from 12-42 circuits, up to 125A max.

ReliaGear Lighting Panelboard Ratings and Capabilities

	ReliaGear RQ	ReliaGear RE	ReliaGear RS
Max Voltage	240V	480Y/277V, 125/250 Vdc	480Y/277V, 125/250 Vdc
Max Amperage	800A	800A	800A
Fully Rated	65kAIC at 240V	18kAIC at 480Y/277V, 65kAIC at 240V	65kAIC at 480Y/277V, 100kAIC at 240V
Series Rated	200kAIC at 240V	100kAIC at 480V	100kAIC at 480V
Main Lug	800 Amp Max	800 Amp Max	800 Amp Max
Main Breakers	THQB, TEY, XT1, XT4, XT5, XT6	TEY, TEYF, XT1, XT4, XT5, XT6	TEYD/H/L, XT1, XT4, XT5, XT6
Branch Breakers	15A-100A, 1P,2P,3P THQB	15A-100A, 1P,2P,3P TEY or TEYF	15A-125A, 1P,2P,3P TEYD/H/L