



ReliaGear® Branch Circuit Monitoring Upgradable Panels

Fact Sheet

Overview

ReliaGear panels are configurable to provide a low-cost option for complying with California's Title 24 building standard. California's Title 24, Part 6, Building Energy Efficiency Standards, §130.5(b) requires electrical systems to be arranged to allow metering of electrical loads by load type or other classifications. While the meters themselves do not need to be installed, electrical equipment that is an intended location for this metering must be able to allow future current and voltage sensing. Since the ability to meter is required, compliant panels do not need to have meters, they are only required to have room for a meter to be added later. ReliaGear has the below two options for meter-ready panels:

- Branch Circuit Monitoring (BCM) Upgradable
- ReliaGear Lighting Panelboard Split Section Panels (1TQC173600E0003)

BCM Upgradable

An upgradable BCM panel leaves room for a monitor and does not place load type restrictions on the location of breakers.

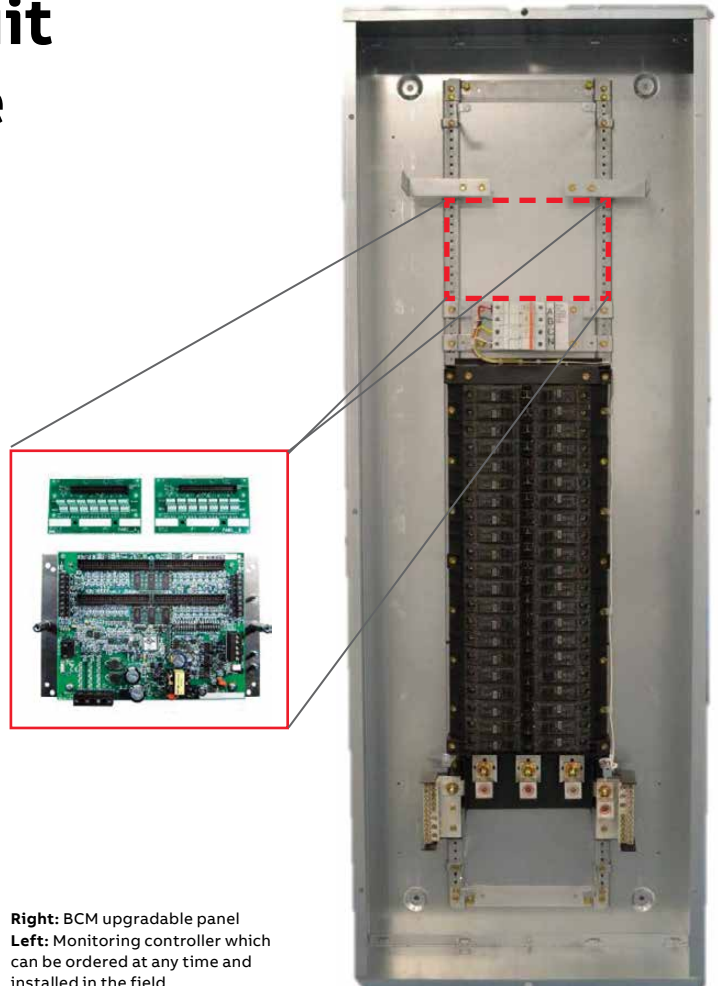
To order these panels in Empower, use the Submeter dropdown menu under the Option section of the Lineup screen in the panelboard configurator. Either select the desired meter or select "Submetering Ready (No meter included)".

- Each branch is metered individually, alleviating the need to group branch device by load type
- Field upgrade kit can be installed after the panel is in place
- Allows for the addition of branch devices without having to adjust metering

Split Core CTs

The following split core CTs are sold separately and are pictured on the right

- ASPCT0 50 Amp 6-Pack
- ASPCT1 100 Amp 6-Pack
- ASPCT3 200 Amp Sold Individually



Right: BCM upgradable panel
Left: Monitoring controller which can be ordered at any time and installed in the field

References

- California's Updated Title 24: Electrical Distribution Compliance 1TQC173900E0001
- ReliaGear Panelboard with Branch Circuit Monitoring 1TQC173600E0007
- ReliaGear Lighting Panelboard Split Section Panels 1TQC173600E0004

Standards and Approvals

- UL-67
- UL-50
- NEMA PB-1
- NFPA-70
- California Building Standards Code (Title 24)

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