

# Type BR Arc Fault Circuit Breakers and Loadcenters



## Next Generation AFCI Circuit Breakers

With the electrical contractor and homeowner in mind, Eaton has revolutionized the technology and design of the Type BR Combination AFCIs.

Eaton's next generation Type BR AFCI products feature superior protection and optional circuit diagnostics, along with exclusive features which reduce installation time and unwanted tripping.

### Features and Benefits:

- A compact design allows for improved wireway access
- Enhanced electronics to reduce unwanted tripping from non-compliant devices
- Standard LED indicates one of six trip codes to simplify circuit diagnostics
- Trip codes are stored permanently into the breaker's memory, to help identify "trip" history
- Optional 22kAIC breaker available for applications requiring high interruption ratings
- Meets areas requiring AFCI protection under the 2015 CEC<sup>®</sup>
- Branch overvoltage protection for sensitive electronics
- 10 year warranty

Table 1. Type BR Combination AFCI Selection Chart

Catalog Number	Amps	Poles	kAIC
Standard with Diagnostic - LED			
BRAF115C	15	1	10
BRAF120C	20	1	10
High - Interrupting - 22 kAIC - no LED			
BRHCAF115	15	1	22
BRHCAF120	20	1	22

## Next Generation Trip Codes

- Thermal trip/manual disconnect - The breaker has detected an overload, short circuit or was manually turned off
- Series arc - A low current arc has been detected within one of the current pathways
- Parallel arc - A high current arc has been detected between two conductors
- Short delay - An electronic backup to the short-circuit mechanism
- Overvoltage - Voltage of 160V rms or greater
- Self test failure - The breaker continually tests the internal electronics and software to ensure that the arc fault detection technology is working properly



Powering Business Worldwide

# Type BR Loadcenter Features and Benefits

## Extra 1.5-inch (38.1 mm) Knockout for Bundling

- Enables quick and easy installation

## Commercial Grade Main Breaker

- 25kAIC series rated main breaker for superior protection

## Twin Neutrals

- For flexibility and load balancing, most models feature backed out neutrals saving time

## Next Generation AFCI

- Standard LED indicates one of six trip codes for circuit diagnostics
- A compact design allows for improved wireway access and installation in any position



## Standard Tin Plated Aluminum Bus

- For excellent conductivity and corrosion resistance



## Top or Top side Feed Service Entrance

- Straight-in wiring saves labor and material
- Can be mounted vertically or horizontally

## Drywall Marking on Enclosure

- Indicates proper mounting depth for flush applications

## Factory Installed Neutral Bonding Strap

## Steel Backpan

- Superior breaker mounting
- One-piece design provides superior durability

## Single Keyhole Mounting

- One keyhole at the top and bottom provides easier mounting and leveling

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## Warranty, Service and Ordering Information

- 10 year warranty on all Type BR loadcenters and circuit breakers (Including electronic breakers)
- Expert technical support available 24 hours a day
- Contact your local Eaton representative today for more information on Eaton's Combination Arc Fault Circuit Interrupters, or visit us @ [www.eatoncanada.ca](http://www.eatoncanada.ca)

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