

Designed to Empower Engineers

Directional Protection for Changing Power Systems

Modern Power Systems Don't Sit Still

With distributed energy sources scattering the grid (DERS), changing generation sources, and evolving network conditions, your protection must adapt instantly.

The challenge isn't just knowing fault direction, it's ensuring your protective relay can see directionality correctly as the system conditions change.

Most Relays Are Limited to a Single Directionality Configuration

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Most relays can only utilize one directionality configuration:

- Forcing less-than-ideal protection and control operation
- Or requiring additional relays for different system modes

When the configuration changes, the relay needs to change with it.

The BE1-FLEX Does it Live

BE1-FLEX allows voltage and current sensing to be applied to multiple circuits with independent directional settings.

That means:

- Multiple system configurations can be running at the same time
- No protection compromises
- Real-time response to changing sources and line conditions

A relay that is already prepared for the next operating scenario.

Protection That Adapts With the Grid

BE1-FLEX provides the directional tools engineers need to match virtually any application:

- Positive, negative, and zero-sequence MTA settings
- Forward and reverse blinder angles
- Fail-safe directionality selection
- Advanced load encroachment regions
- Up to 30 directional configuration sets

If your protection can't adapt to maintain dependable fault detection as system conditions change...you're going the wrong way. Protection should adapt automatically.

The BE1-FLEX adapts to your grid in real time, giving you the flexibility you need without a total system re-engineering.