

Differential Protection Relay

Bulletin 865

The Allen-Bradley Bulletin 865 differential protection relay contains all the essential protection functions needed to protect transformers for distribution networks or utilities, industry, power plants and offshore applications, as well as motor and generator differential protection.

The device also includes many programmable functions for various protection and communication capabilities. Options include:

- Arc protection (optional)
- Various communications protocols

Protect your investment with increased system monitoring and functionality in a differential protection relay.



865 Differential Protection Relay

The Bulletin 865 is used for selective differential overcurrent, short-circuit protection of generators, transformers and motors in a solidly or impedance earthed power systems. The relay can also be used for single, two or three phase overcurrent and/or sensitive earth fault protection.

Advantages/Features

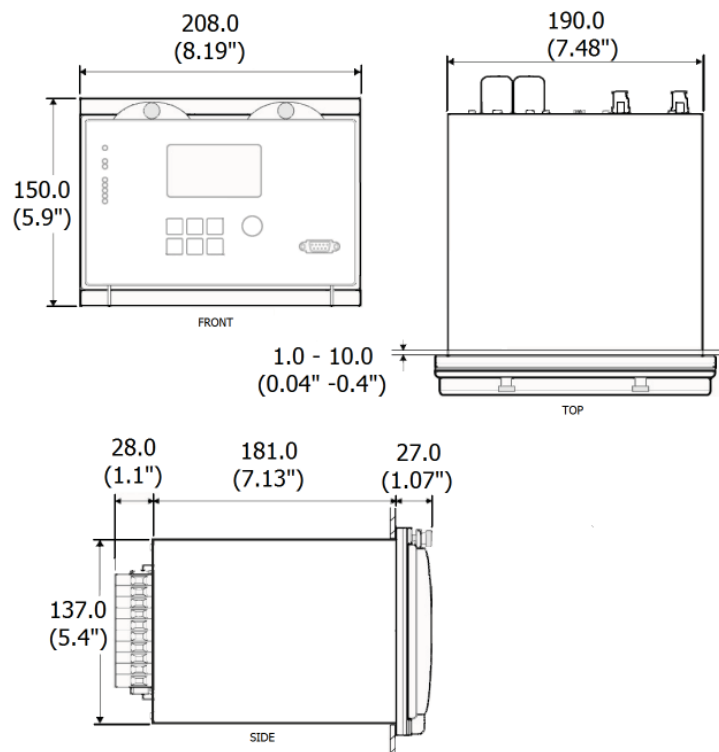
- Fully digital signal handling with a powerful 16-bit microprocessor, and high measuring accuracy on all the setting ranges due to an accurate 16-bit A/D conversion technique.
- Wide setting ranges for the protection functions, e.g. with some protection reaching a sensitivity of 0.5%.
- The device can be matched to the requirements of the application by disabling functions that are not needed.
- Flexible control and blocking possibilities utilizing digital signal control inputs (DI) and outputs (DO).
- Easily adaptable to various substations and alarm systems with flexible signal-grouping matrix in the relay.
- Freely configurable display including six measurement values.
- Freely configurable interlocking schemes with basic logic functions.
- Recording of events and fault values into an event register from which the data can be read via a keypad and the local HMI or by means of a personal computer and SetPoint PS programming software.

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Advantages/Features (cont.)

- Easy connection to automation system with a versatile serial connection and several available communications protocols.
- Built-in, self-regulating AC/DC converter for auxiliary power supply from any source within the range from 40 to 265V DC or AC.
- Built-in 12-channel disturbance recorder for evaluating all the analog and digital signals.
- Eight (8) programmable stages for alarm or protection purposes.
- All settings, events and indications are stored in a non-volatile memory.
- Active mimic style graphics displayed on relay's LCD provide visual indications of process controls.

Dimensions



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