

Motor/Feeder Protection Relay

Bulletin 857

The Allen-Bradley Bulletin 857 motor and feeder protection relay contains all the essential protection functions needed to protect feeders and motors in distribution networks of utilities, heavy industry, power plants and offshore applications.

The device also includes many programmable functions for various protection and communication situations:

- Arc protection (optional)
- Thermal
- Trip circuit supervision
- Circuit breaker protection
- Communications protocols

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



857 Motor/Feeder Protection Relay

The Bulletin 857 offers solutions for today's motor and feeder protection requirements in one package with flexible control to maximize your motor's output capabilities, and provide current, voltage and motor protection functions.

The protection relay can be integrated into a low voltage or medium voltage Motor Control Center, or can be purchased as an OEM component.

Advantages/Features

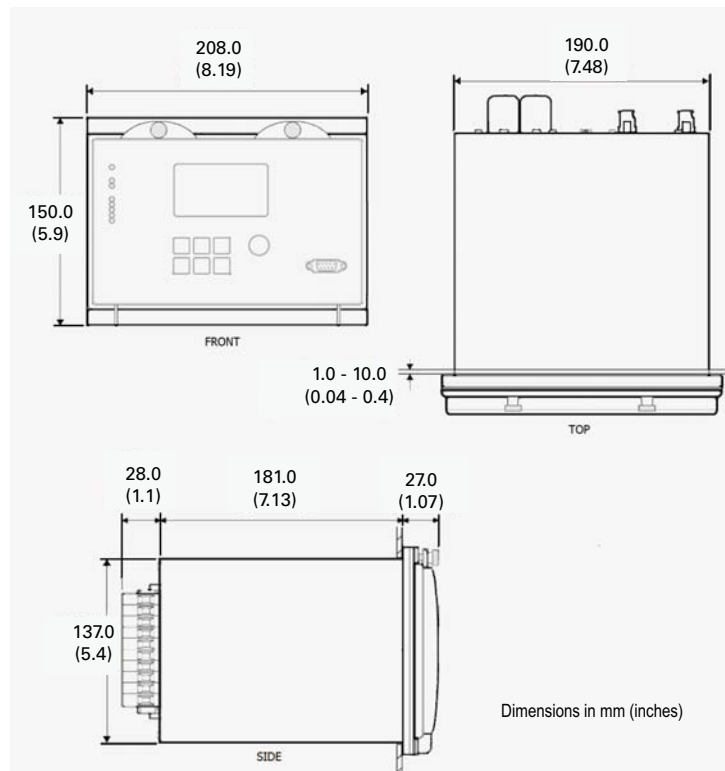
- Fully digital signal handling with a powerful 16-bit microprocessor, and high measuring accuracy on all the setting ranges due to a 16-bit A/D conversion technique.
- Wide setting ranges for the protection function can reach a sensitivity of 0.5%.
- The device can be matched to the requirements of the application by disabling the functions that are not needed.
- Flexible control and blocking possibilities utilizing digital signal control inputs and outputs.
- Easily adaptable to various substations and alarm systems utilizing a flexible signal-grouping matrix.
- Ability to control six objects (e.g. circuit-breakers, disconnectors).
- Ability to monitor the status of eight objects (e.g. circuit-breakers, disconnectors, switches).

LISTEN.
THINK.
SOLVE.®

Advantages/Features (cont.)

- Freely configurable front display with six selectable measurement values.
- Active mimic style graphics provide visual indications of process controls.
- 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 in a keypad and a local HMI or by a means of a PC based configuration software.
- All settings, events and indications are in a non-volatile memory.
- Easy connection to automation systems via several versatile communications protocols.
- Built-in, self-regulating ac/dc converter for auxiliary power supply from any source within the range from 40 to 265 VDC or VAC.
- Built-in 12-channel disturbance recorder for evaluating all the analogue and digital signals.

Dimensions



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