

# Motor/Feeder Protection Relay

Bulletin 857

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

This 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.*

The Bulletin 857 offers solutions for today's motor and feeder protection requirements in one package. Flexible control maximizes your motor's output capabilities and provides current, voltage, and motor protection functions.

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



857 Motor/Feeder Protection Relay

## Features

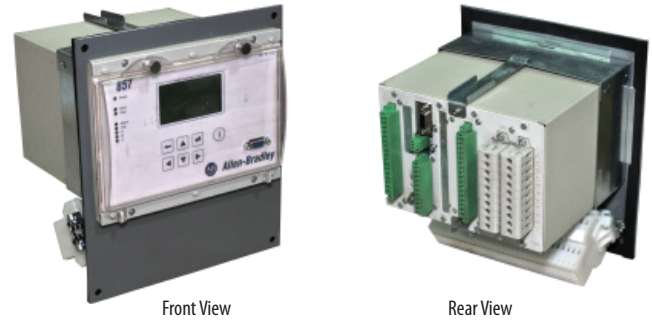
- Fully digital signal handling with a powerful 16-bit microprocessor, and high measuring accuracy on all the setting ranges due to a 16-bit A/D conversion technique.
- Wide setting ranges can reach a sensitivity of 0.5% for the protection function.
- The device can be matched to the requirements of the application, including enable/disable functions.
- Flexible control and blocking possibilities utilize digital signal control inputs and outputs.
- Ability to control six objects (e.g. circuit-breakers, disconnectors).
- Ability to monitor the status of eight objects (e.g. circuit-breakers, disconnectors, switches).
- Configurable front display featuring six selectable measurement values.
- Active mimic style graphics provide visual indications of process controls.
- Configurable interlocking schemes offering basic logic functions.
- Records events and fault values to an event register from which the data is read in a keypad, and a local HMI or through PC-based configuration software.
- All settings, events, and indications are in a non-volatile memory.
- Compatible with EtherNet, ControlNet and other common industrial networks.
- Built-in, self-regulating AC/DC converter for auxiliary power supply from any source within 40 to 265 VDC or VAC.
- Built-in 12-channel disturbance recorder continually evaluates analogue and digital signals.
- Optional 12-channel RTD Scanner with single or dual fiber optic connections with four 4-20 inputs/outputs.

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## Conversion Kit

The Bulletin 857 conversion kit provides a seamless conversion from an existing GE Multilin (i.e. 269, 469) motor protection relay utilizing the existing space, the latest communication capabilities, and requires no additional wiring. The kit includes a complete set of instructions and mounting adapters to make the replacement process easy.

Note: The retrofit kit does not come with the replacement Bulletin 857, which must be purchased separately.



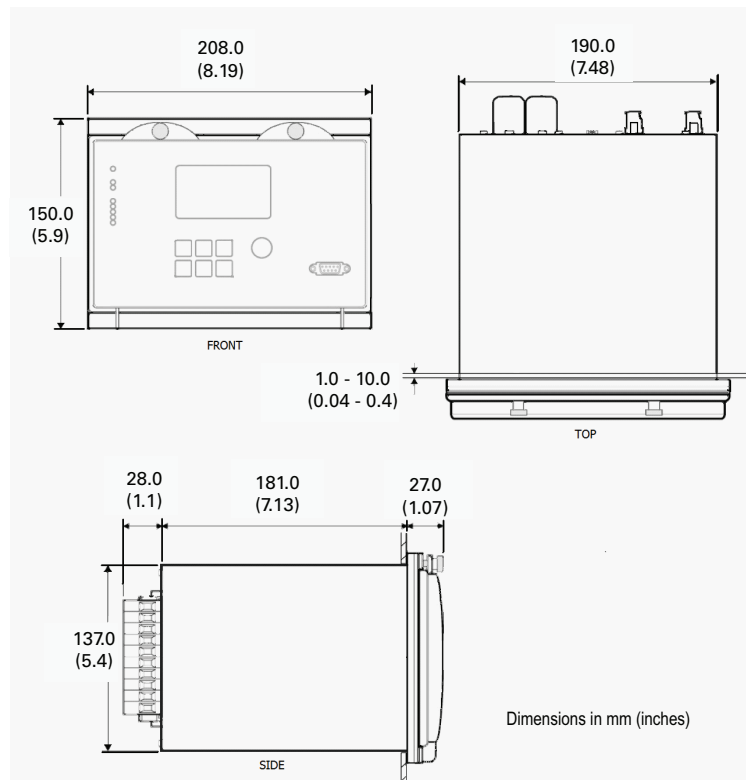
## Easy Installation

The standard Bulletin 857 Conversion Kit has a modular design which uses the existing low-voltage door or mounting panel. No additional wiring is required. The kit easily fits into the existing GE Multilin space.

## Part Numbers

- 857-KIT269-1 Bulletin 857 Conversion Kit for Multilin 269 Replacement, ASA 49 Grey Paint
- 857-KIT269-2 Bulletin 857 Conversion Kit for Multilin 269 Replacement, Special Paint
- 857-KIT469-1 Bulletin 857 Conversion Kit for Multilin 469 Replacement, ASA 49 Grey Paint
- 857-KIT469-2 Bulletin 857 Conversion Kit for Multilin 469 Replacement, Special Paint

## Dimensions



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