

## Ground-Fault Ground-Check Monitor



The diagram illustrates the wiring for a ground-fault monitor system. A grounded supply is connected to a CT (Current Transformer) and a trailing cable. The trailing cable has four conductors: A, B, C, and GC (Ground-Cable). The GC conductor is connected to a ground-fault monitor (SE-105 or SE-107 series) and a termination device. The monitor is also connected to a ground. The termination device is connected to a ground. The trailing cable is connected to a motor (M).

| ORDERING NUMBER | CONTROL POWER |
|-----------------|---------------|
| SE-105          | 120 Vac       |
| SE-105D         | 120 Vac/Vdc   |
| SE-105E         | 240 Vac       |
| SE-107          | 120 Vac       |
| SE-107D         | 120 Vac/Vdc   |
| SE-107E         | 240 Vac       |

| ACCESSORIES             | REQUIREMENT |
|-------------------------|-------------|
| CT200 Series            | Required    |
| 1N5339B                 | Included    |
| SE-TA6, SE-TA6-SM       | Optional    |
| SE-TA6A Series          | Optional    |
| RK-102, RK-105, RK-105I | Optional    |
| RK-13                   | Optional    |
| PPI-600V                | Optional    |

| FEATURES                                         | BENEFITS                                                                         |
|--------------------------------------------------|----------------------------------------------------------------------------------|
| <b>Adjustable pickup (0.5, 2.0, 4.0 A)</b>       | Unit can be used on a wide variety of trailing cable applications                |
| <b>Adjustable time delay (0.1-2.0 s)</b>         | Adjustable trip delay for quick protection and system coordination               |
| <b>Harmonic filter</b>                           | Prevents false operation                                                         |
| <b>Zener-characteristic termination assembly</b> | Provides reliable ground-check loop verification                                 |
| <b>Fail-safe ground-check circuit</b>            | Ensures ground-check circuit remains safe even in the event of equipment failure |
| <b>Conformal coating</b>                         | Additional coating protects circuit boards against harsh environment             |
| <b>SE-105: Selectable UV- or shunt-trip mode</b> | Provides flexibility for different applications                                  |
| <b>SE-107: UV-trip mode only</b>                 | Eliminates chance of unauthorized change to trip circuit                         |



**A**

## IEEE Device Numbers

### Input Voltage Dimensions

- [Trip Level Settings](#)
- [Trip Time Settings](#)
- [Contact Operating Mode](#)

**Harmonic Filtering**  
**Reset Button**  
**Output Contacts**  
**Approvals**

### Conformally Coated Warranty Mounting