

GE  
Industrial Solutions

# ArcWatch\*

## GE's Selective Coordination and Arc Flash Solution



Don't compromise protection  
for coordination.



imagination at work

# Designing a power distribution system for a critical project?



Healthcare Facilities

If you're struggling to meet the NEC Instantaneous Selectivity requirement while keeping arc flash incident energy in check, then check out ArcWatch\*, GE's selective coordination and arc flash solution, designed to meet the needs of your next critical project!



Oil and Gas



Universities

Our unique combination of intelligent trip units and current limiting molded case circuit breakers create the ArcWatch system solution that allows full coordination without excessively high pickups or long delays. You no longer have to compromise protection for coordination.

GE's ArcWatch is powered by Instantaneous Zone Selective Interlocking (I-ZSI) and Wave Form Recognition (WFR). I-ZSI allows intelligent communication between circuit breakers like traditional ZSI, but adds interlocking of the INST protections of the trip units. This allows more sensitive and fast-acting circuit breakers to be selective. Wave Form Recognition (WFR) provides EntelliGuard family devices the intelligence to recognize the operation of downstream devices. When paired with GE current limiting molded case circuit breakers, WFR allows lower INST pick-up settings while maintaining full selective coordination.

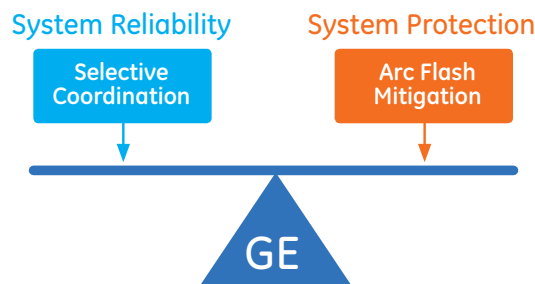
## Protection or Reliability – Don't Compromise GE = Protection + Reliability

### Everyday Compromises:

- High set or non-instantaneous breakers sacrifice protection for coordination
- Current limiting/molded case circuit breakers are fast and provide good protection, but are challenging to coordinate
- Maintenance switches sacrifice coordination for protection

Only GE offers you a solution that provides arc flash protection and selective coordination—simultaneously!

ArcWatch provides a balanced solution.



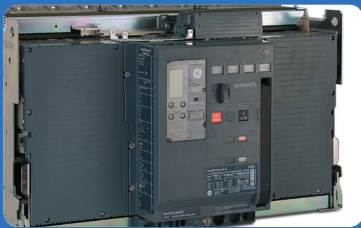
With GE, your power distribution system can be selective without sacrificing arc flash protection.

### GE's Selective Coordination Products with ArcWatch Technology

#### EntelliGuard® Trip Units



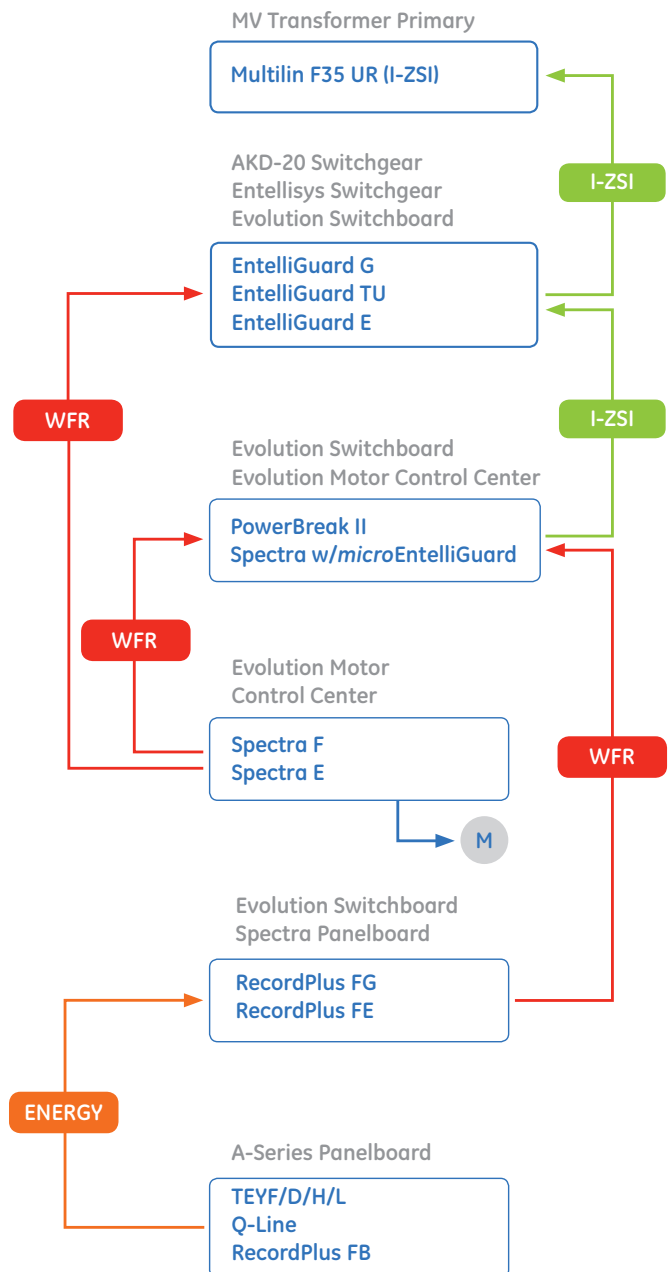
#### EntelliGuard® G Circuit Breaker



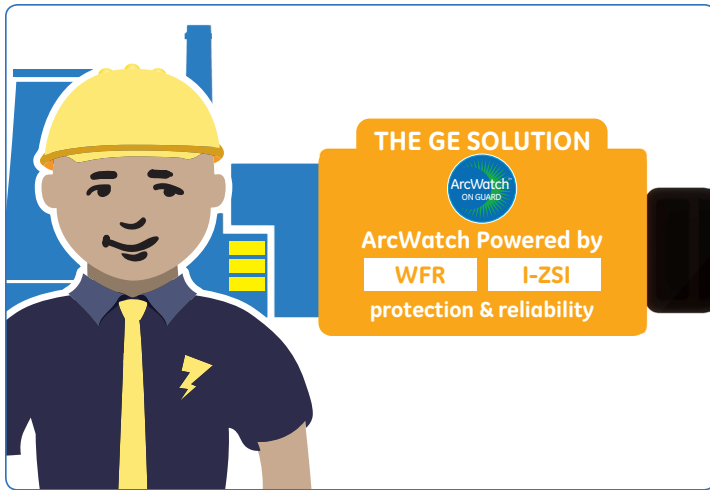
#### Record Plus®, Spectra® and TEY Current Limiting Circuit Breakers



### ArcWatch (WFR + I-ZSI) = Sensitive Trip Units with Intelligent Response



Want to learn more? Meet Bob-  
He can fill you in on all our selectivity  
solutions at: [www.geindustrial.com/ArcWatch](http://www.geindustrial.com/ArcWatch).



## Selective Coordination Resources

DET-760 : Guide to Instantaneous Selectivity

DET-654 : Guide to Low Voltage System  
Design and Selectivity

DET-537 : Overcurrent Device Selectivity Tables

Time Current Curves



Need project assistance?  
Contact your local Specification Engineer  
or call Customer Solutions at:  
**1-800-GE1-STOP**

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