



PROTECTIVE RELAYS UPGRADE

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UPDATING OF ELECTRICAL PROTECTION RELAYS AND ENERGY METERS

The objective of this service is to maintain a high degree of reliability of the electrical protection and measurement system by updating these elements with the latest generation versions.

OBSOLETE PROTECTION RELAYS AND ENERGY METERS



Fig. 1 Original motor protection scheme.

In the industry, there are metal-clad, metal-enclosed distribution switchgears and medium-voltage motor control centers in operation with obsolete protection relays and energy meters that are no longer manufactured. Once they fail it is necessary to change the element in an unplanned way.

UPDATE SERVICE

The update service consists of:

1. Recommend the suitable relay to do the upgrade. **We offer ABB, SEL and GE brands protection relays.**

2. Raise the original wiring.
3. Take dimensions of the board door.
4. Drawing of the door for manufacturing.
5. Send to manufacture the door.
6. Draw three-wire current and control diagrams with the new relay.
7. Carry out protection coordination study.
8. Remove the existing door.
9. Install the new door.
10. Configure the relay.
11. Test the relay.
12. Test switch control without power.
13. Close the switch with power.
14. Submit service report and updated DWG drawings.



Fig. 2 Updated motor protection scheme.

ENERGY METERS

We offer ABB, SEL and GE brand energy meters.



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