

DISCONNECT

METER EXTENDER PRODUCTS

Self-contained, meter socket adapter ring for remotely controlled disconnect, or load transfers

Installation simply involves removal of the existing meter and cover, inserting the extender adapter disconnect, connecting the pigtail to an appropriate communication or control device, reinstalling the enclosure cover, reinstalling the meter, and securing the meter with standard ring clamp.



Application - custom application and custom design models are used by various utilities, but the basic, off-the-shelf, models include:

- ***Off-Peak Disconnect - SE-162P290***
Opens meter LOAD feed to a service panel dedicated to an off-peak or interruptable kWh rate.
- ***Service Panel Interrupt - SI-212P240***
Sub-panels which need to be controlled from a remote or time/weather situation.
- ***TOU Disconnect, with Override - SE-162V090***
Basic unit similar to above except includes a pushbutton to reactivate during on-peak. Homeowner can control the disconnect during the on-peak interrupt.
- ***Delinquent Account, Disconnect - SE-162L290 or SI-120L230***
Temporarily interrupts service from a remote communication device such as a pager receiver, line carrier load control, etc. Optional pushbutton can keep the service from being automatically re-energized until the homeowner re-enables the disconnect.
- ***Delinquent Account, Limiter - SE-032B090***
Electronic pre-programmed current level, set minimum power level onsite to match needs. Monitor light and special “enable” button.
- ***Standby Generator Transfer - LG-050*210***
Provides the ability to safely disconnect the utility and interlock with the standby generator control box for a semi-automatic or automatic transfer system.

Product Specifications

Interrupt Switch Mechanism

- Patented, BLP Power Pulse
- Rating - all models, 160-amp (200-amp service)
- Electrically operated, permanent magnet hold
- Two coil latching, low voltage
- No noise or hum
- No coil power, when stable

Electrical

- Reliable DC pulse coil
- Silver - tin alloy contacts
- Moving contact - Blow-on principle
- < 60mv contact drop, at 200A
- Short Circuit - 6 cycles, 6,000 Amp rms 0.7/0.8 PF lagging; 10,000 Amp backed with UL rated test CB
- 2,500 V rms electrically isolated
- Resistive 15,000 operations, 200-amp
- Inductive 8,000 operations, 200-amp
- Reviewed under IEC 1036

Meter Extender, Interbase

- Polycarbonate, high impact
- Marwell EZ 1000 series
- Optional extender ring, 1" or 2"
 - Allows extra internal space for wireless PLC receiver, pager Turtle, receiver mounting, etc.

Options

- Monitor Light, either position
- Override Pushbutton - allows reactivation during on-peak
- Enable Pushbutton - keeps disconnect off, after utility sends reactivate command
- Pilot Duty additional Form C contact (SI-AUX-RLY)
- Non-standard communication receiver control logic
- Lug type extender interbase
- 1" or 2" inner line enclosure extender

Field Connections

- 36", 5-wire pigtail
- Inline connector
- Fused receiver power available
- Unlisted product - utility use only

Ordering Information

Call factory for a listing of specific model numbers and price. Custom units can be configured after reviewing the standard model list.

Internal Driver Module

- Self-powered from LINE lugs
- Operate voltage range - 80 to 150 vac
- Suppression components, 3 stages
- Power up and switching delay - 1 min.
- After power interruption and delay, reestablishes proper switch state based upon input
- Activate or deactivate pulse is precisely controlled by digital logic board
- Cycle testing (twice) - 15,000 and 25,000, no failures

Remote Control Input (LMC)

- 2-wire, low voltage
- Standard - closed contact = main switch closed (blue wires)
- Option:
 - open contact = main switch closed, order SI-LMC-NO
 - plus 12 volts DC = main switch closed



Providing Comfort Through Efficient Energy Solutions

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