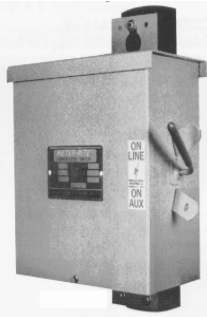


Ronk Double Throw Switches

Ronk Double throw switches are available to United Electric members for large capacity generators, farmsteads and small commercial applications. These switches are installed externally. The double throw switch is installed under or in place of the member's meter base, before the entrance cable enters the building to the breaker panel. This switch will allow the operation of any circuit in the breaker panel up to the limitation of the generator's capacity. Ronk double throw switch is available as follows:



200 AMP Double Throw Switch

Installed \$675.00+TAX
Member Pick Up \$400.00+TAX

200 AMP Double Throw Switch

With Meter base
Installed \$898.00+TAX
Member Pick Up \$723.00+TAX



Durham Transfer Switches Designed for Residential Installations

The Durham Transfer Switch offers a safe, convenient way to use a stand-by generator to supply power to all the circuits in the home. These panels are less bulky than a double throw switch making them less unsightly in residential applications.
 *Suitable for mounting on homes and small commercial

buildings.
 (AWG – American Wire Gauge) – *Every increase of 3 wire gauges is a 50% reduction in cross sectional area of the wire.*
 (kcmil – Thousand Circular Mil – formerly MCM) – *Wire size for multiple stranded conductors over 4/0 AWG in diameter.*
 (CU-AL) – *Identifies an electrical wiring device as suitable for use with either copper or aluminum conductors.*

100 AMP Meter base/Transfer Switch

Installed \$575.00+TAX
Member Pickup \$400.00+TAX
Wire Range:
 Line Side: # 8-2/0 CU-AL
 Auxiliary: # 14-1/0 CU
 Load Side: (1) # 6-250 kcmil CU-AL &
 (3) # 14-1/0 CU-AL

Size: 30 3/8" H x 12" W x 4 3/8" D

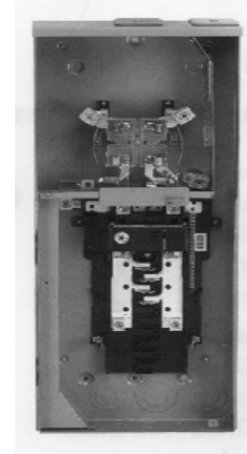
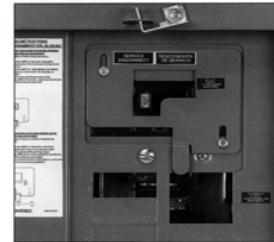
200 AMP Meter base/Transfer Switch

Installed \$695.00+TAX
Member Pickup \$520.00+TAX
Wire Range:
 Line Side: # 6-250 kcmil CU-AL
 Auxiliary: # 14-1/0 CU
 Load Side: (3) # 6-250 kcmil CU-AL

Size: 34 1/4 "H x 13" W x 4 3/8" D

Square D Transfer Switches Designed for Mobile Home Installations

The Square D Transfer Switch uses a meter base disconnect panel designed for trailer services, with a unique main breaker lockout mechanism which allows a generator to be safely connected.



100 AMP or 200AMP Meter base/Transfer Switch w/Auxiliary Breakers for Meter Pole Services

Installed \$500.00+TAX
Member Pickup \$325.00+TAX

Spaces: 8
Max. Number of Circuits: 16

Wire Range:
 Line Side, Phase & Neutral Lugs AWG/kcmil – #6-350 CU/AL
 Service Ground Lug - #14-2/0 CU #12/2/0 AL
 Feed Through Lugs – Phase and Neutral AWG/kcmil – #4-250 CU/AL
Size: 35.13" H x 4.67" W

**Member must have pole service installation inspected prior to the service being energized.*

Transfer Switch Installation Agreement

I have read and understand the information on transfer/double throw switch installations and agree to pay United Electric the applicable charges to perform the following service at my account.

Ronk Double Throw Switch Installation

 200 AMP Double Throw
 200 AMP Double Throw with Meter Base

Durham Transfer Switch Installation

 100 AMP Meter Base/Transfer Switch (house)
 200 AMP Meter Base/Transfer Switch (house)

Square D Transfer Switch Installation (For meter pole service installation only)

 100 AMP Meter Base/Transfer Switch
 200 AMP Meter Base/Transfer Switch

After checking the switch you would like installed, please complete the back of this form with your name, account number, signed and dated. Return completed form to:

United Electric Cooperative
P.O. Box 688
DuBois, Pa. 15801

I agree to the following conditions:

- United Electric will install the double throw switch only on the exterior of the building or meter pole for pole services.
- I am responsible for assuring that the point of attachment is substantial enough for the switch to be attached to the building or pole.
- Although the double throw or transfer switch/meter base combination will usually cover siding and holes and marks left from old equipment, there may be some instances when it will not. If this occurs, United Electric will not be responsible for repairs.
- Because of the numerous plugs required by various generators, United Electric will not attempt to stock this equipment. Once the switch is installed, I will be responsible for attaching the cord to the lugs provided in the switch for plugging in the generator. A generator with a 240-volt output is needed to properly use the double throw or transfer switch.
- I understand that once the generator switch is installed by United Electric, it becomes my property. United Electric accepts no responsibility for the maintenance or repair of this equipment.
- Payment in full is due within 30 days of invoice date. A 1.5 % per month penalty will be added thereafter.
- Member must have new or replacement meter pole service installations inspected by a recognized electrical inspection agency prior to the service being energized.



The availability of this equipment through United Electric is a *Value Added Service*. The equipment is being sold to the member and becomes the member's property (as is any equipment beyond the weather head). Should this equipment need service at some point in the future, it will be the member's responsibility. United Electric will attempt to offer technical advice, but the member is responsible for any service cost, and will be billed for any emergency call outs of United Electric crews. All of the switches described will allow for the safe operation of an emergency generator. Your particular needs and size of service dictate the type of switch you should purchase.

Contact the Energy Management Department at United Electric for more information about Generator Transfer and Double Throw Switches at:

371-8570 or (888) 581-8969 Extension 3151

August 2008

Printed Name Account No.

Signed Date

Value Added Services

From United Electric

TRANSFER SWITCHES FOR EMERGENCY GENERATORS AVAILABLE TO UNITED ELECTRIC MEMBERS



Important Points about the installation of a Double Throw or Transfer Switch:

- The double throw or transfer switch must have a capacity (100 AMP or 200 AMP) equal to or greater than the capacity of the breaker panel (i.e., if you have a 200 AMP breaker panel you must use a 200 AMP transfer switch.)
- United Electric will only install the double throw switch on the exterior of the building or on the meter pole.
- The double throw switch is normally installed at the **meter location**. The member is responsible for assuring that the point of attachment is substantial enough for the switch to be secured to the building or meter pole.
- The double throw switch will allow the member to **safely energize** any circuit in the house with an emergency generator while assuring that the **generator cannot back-feed into United Electric's power lines**. The number of circuits that can be energized at one time is determined by the output capacity of the member's generator.
- Although it is not recommended, the **double throw switch** may be installed inside the building. If the equipment is to be installed inside, the member must have his or her own electrician install the equipment and it must be inspected. Please call United Electric for equipment pricing.
- Other equipment needed to install the switch includes weather tight cable connectors (**used where the entrance cable enters the switch**) and the entrance cable from the meter base to the double throw switch may need to be replaced. The service crew will have this equipment, and the member will be charged for any additional equipment needed. On a typical installation, this additional equipment cost will be approximately \$30.00, but it may be higher in some cases.
- Because of the numerous plugs required by the various generators, United Electric will not attempt to stock this equipment. Once the switch is installed, it is the **member's responsibility** to attach the cord to the lugs provided in the switch used to plug in the generator. A generator with a 240-volt output is needed to properly use the double throw switch.
- Although the **double throw and transfer switch/meter base combination is more costly**, it is **highly recommended**. This combination has a much better appearance and should eliminate the problem of shifting the meter base on the house to allow room to install the double throw switch. Although the double throw or generator switch/meter base combination will usually cover siding, holes or marks left from old equipment, there may be some instances when it will not. If this occurs, United Electric will not be responsible for repairs.