

# RONIK

## PRODUCT LINE GUIDE

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- Double-Throw Switches
- Fused Disconnect Double-Throw Switches
- Non-Fused Disconnect Switches
- Stray Voltage Isolation
- Power Factor Correction Capacitors
- Outdoor Equipment Enclosures



RELIABLE. ECONOMICAL. PROVEN.



PROUDLY MADE IN THE USA

# WE ARE RONK SOLID

## A tradition of adapting electrical supply to meet our customers' needs

**C**ount on Ronk to engineer electrical solutions for rural and suburban infrastructure. We understand that every dollar matters and that you expect robust equipment that will run for decades.

**American-made Ronk products** are designed to increase efficiency, stabilize power usage, and let you walk away at night knowing that all systems are operating reliably.

A quick glance at our standard product offerings demonstrates the many real-world challenges we have developed solutions for, and we are committed to keep finding ways to ensure constant productivity from existing power lines.

## Static Phase Converters



### ADD-A-PHASE®



The **ADD-A-PHASE static phase converter** offers rugged, high-efficiency, balanced power to operate motors. These converters are available in a variety of input and output voltages with ratings up to 125 HP. Type K-Duo **ADD-A-PHASE** is designed specifically for

multiple motor applications found in booster pumps and lift stations.

- High operating efficiency: approximately 97%
- Capable of powering multiple motors
- Linear components generate no harmonics
- Limits inrush current when motor is starting



### ECONO-PHASE® Shifter



The **ECONO-PHASE shifter** is a cost-effective, high-efficiency phase converter for use in single motor applications. **ECONO-PHASE shifter capacitors** are sized on the actual horsepower rating of the motor, rather than trying to operate a range of horsepower ratings with a fixed amount of capacitance. The result is that most motors can generally operate at full load as

needed with 2/3 to 3/4 load on a continuous basis.

- Run capacitors maintain maximum current on all three phases
- Ideal for drill presses, grinders, mills, saws, and small air compressors
- Reduces costs when handling the load surges typical with Design D high-slip pump jack motors

## Rotary Phase Converters



### ROTO-CON®



The **ROTO-CON rotary converter** provides smooth, reliable 3-phase power from single-phase lines. The **ROTO-CON** family has proved extremely flexible in operating a range of loads for multiple applications.

Ideal for applications such as

- Easily installed, requiring only minimal maintenance, UL listed
- Units are available in both ODP (Open Drip Proof) and TEFC (Totally Enclosed Fan Cooled) motor housings

- Metal and woodworking equipment
- Grain handling and milling
- Battery chargers
- Print shops
- Food processing machinery
- Welders
- Compressors
- Electric ovens

# Rotary Phase Converters



## ROTO-CON<sup>®</sup> CP



The UL Listed **ROTO-CON CP Series** has been specifically designed to operate a wide variety of Center Pivot Irrigation systems. They are easily installed, require minimal maintenance, and will give you years of trouble-free service.

- Load ratings up to 25 HP in the 480 V range
- Units are available in both ODP (Open Drip Proof) and TEFC (Totally Enclosed Fan Cooled) motor housings



## ROTOVERTER<sup>®</sup>



The **ROTOVERTER** tap adjustments give you control over all three phases for balancing currents. This balancing capability is especially important for motors that operate for extended periods at or near full load, and for higher power factor motors.

Typical applications

- Compressors
- Fans
- Pumps
- Grain dryers
- Fertilizer plants
- Lift stations
- CNC equipment
- UPS systems
- Lasers
- Multiple small motors



## ROTO-LOAD CENTER<sup>®</sup>



Let Ronk Electrical Industries package a phase converter system that is custom-designed and manufactured for your specific application. The **ROTO-LOAD CENTER** is a system designed, prewired, and packaged specifically to reduce the number of field connections. This lessens the chance of wiring errors and significantly lowers installation time and cost. Contact our factory for more details on the options that are available.

Typical applications

- CNC machine tools
- DC speed drives
- EDM, Lasers
- AC variable speed drives
- Voltage sensitive machinery



## POWRSOFT<sup>®</sup> Rotary Soft Start Controller

The Ronk **POWRSOFT Controller** is engineered to soft start Ronk Rotary Phase Converters. By reducing the normal starting inrush on the single phase line by up to 50%, larger rotary converters may be used on utility single phase lines for irrigation systems and other loads when three phase is not available. These new units can also be retrofitted into an existing Ronk Converter installation.

- Nema 3R-outdoor-corrosion resistant aluminum construction
- Incorporating short circuit and overload protection
- Available in 2-150 KVA ratings for both 240 and 480 volt installations.

# Double-Throw Switches



## METER-RITE® Switches – Grade Level

**METER-RITE switches** provide a fast, dependable, and safe transfer of loads between commercial power and auxiliary generators. For use with underground or overhead to underground wiring.

- Enclosures built from durable, non-corrosive, lightweight aluminum

- Switches feature the exclusive spring tension design
- Lugs for aluminum or copper conductors
- Available in 100 A through 400 A, 240 Vac and 200 A through 800 A, 600 Vac
- Single and three phase
- Neutral bar included



## METER-RITE® Switches – Pole Top

**METER-RITE switches** provide a fast, dependable, and safe transfer of loads between commercial power and auxiliary generators. For use with underground or overhead to underground wiring. Meets NEC 547.9 (2) for site isolation switch.

- Enclosures built from durable, non-corrosive, lightweight aluminum
- Switches feature the exclusive spring tension design
- Lugs for aluminum or copper conductors
- Available in 200 A through 400 A, 240 Vac and 200 A through 800 A, 600 Vac
- Single and three phase



## METER-RITE® Switches – Meter Socket

For use with underground or overhead to underground wiring, **METER-RITE switches** with meter socket are in one attractive enclosure to simplify installation.

- Enclosures built from durable, non-corrosive, lightweight aluminum
- Switches feature the exclusive spring tension design
- Lugs for aluminum or copper conductors
- Available in 100 A through 400 A, 240 Vac
- Neutral bar included



## Fused Disconnect Double-Throw Switches

The Ronk **Fused Disconnect Double-Throw Switch** lets you save money – a lot of it – without giving up any of the features you need. This switch was designed to meet your needs.

This industry-first product puts everything you need in one box: Ronk reliability, simplicity, economy, and safety.

- Rainproof NEMA 3R all-aluminum enclosure
- Single set of Class “T” fuses included
- Non-jamming action
- Neutral bar comes standard
- 200 A, 300 A, and 400 A @240 Vac
- Single phase
- UL-SUSE rated



## Non-Fused Disconnect Switches

**METER-RITE® Disconnect Switches** provide “quick-break/quick-make” protection for 100 A to 400 A ratings. The Ronk load break contact mechanism design – unique in the industry – will not fail due to fouling.

- Meets NEC 430.102 for motor disconnect switch
- Lightweight Type 3R aluminum construction
- 240 V – single and three phase
- Neutral bar included

## Other Products



## BLOCKER® – Stray Voltage Isolator

Off-site stray, or neutral-to-earth (NE), voltage can result from primary neutral currents, off-site faults, or marginal groundings. Ronk **BLOCKER®** is designed to reduce the off-site contributions to the stray voltage, allowing the utility to focus on the on-site sources.

- Extremely durable and reliable – years of field experience and hundreds installed throughout the U.S.
- Provides secondary fault protection access to secondary grounding system for dispersal of lightning
- Protects sensitive locations: dairies, homes, swimming pools, fountains, swine parlors, poultry farms



## Power Factor Correction Capacitors

**Power Factor Correction Capacitors** can help reduce power costs at new and existing installations. They are proven to increase the capacity of existing wiring, reduce power loss, improve motor voltage, and reduce peak KVA.

- Installed at the inductive load to provide automatic switching and prevent over-correction during low power consumption
- Lightweight Type 3R aluminum construction
- Available in ratings from 1/2-26 KVAR @240 Vac to 1-75 KVAR @480 Vac



## Outdoor Equipment Enclosures

Ronk offers a line of cost effective aluminum **Enclosures** for the power supplier, industrial, and agricultural markets. These enclosures can be used to mount various electrical devices, terminals and other equipment where protection from the weather is desired. Ronk enclosures retain their clean, attractive appearance after years of outdoor exposure.

- Removable rear-mounted panel on 600 series models
- Convenient knockouts
- NEMA 3R aluminum drip-proof enclosures
- Available with louvered covers
- Custom applications available

# RONK

## SOLID PERFORMANCE

Ronk understands that you may be facing special circumstances for customers' electrical requirements. We encourage you to contact our knowledgeable support team directly to help specify equipment or to find out whether a custom product might be the answer. Ronk will stand by you long after the purchase for many years of trouble-free service. Ronk Electrical products and replacement parts are carried by a network of dedicated distributors throughout the U.S.

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