

Hydrus Controls



Hydrus Product Line

- Control Panels Linear Control
- Remote Control & Monitoring
 - Pivot Control
 - Flow Monitoring
- Collector Rings
 - Valley (External)
 - Lindsay (Internal)
- Tower Boxes:
 - Valley
 - Lindsay
 - Specialty
- Auto Reverse & Other Options
- Pivot Light Kits
- Accessories



Hydrus 3000



3000 Main Control Panel

40 Years of Experience in Agricultural Irrigation and Wastewater Distribution Management

Key Features:

- Stainless Steel enclosure
- Can be configured for Pivot or Linear applications
- Valley or Lindsay panel color coded wiring
- FWD/REV interlock contactors
- 3-Sec boards installed
- Auto Stop/Auto Reverse circuits & relay installed
- Aux pump switch pre-wired
- Made in the USA

- Panel – 32" x 20" x 11.5"
- Carton – 38.5" x 27.5" x 15"
- Approx. weight – 110 lbs



Features:

- Painted or stainless steel enclosure available
- Multi-light bank that monitors the main panel and option functions
- International icon control labeling allows easy intuitive operation and function identification
- All options are pre-wired (inside the main panel) by the manufacturer
- Jog switch, for ease of re-alignment after safety shutdown
- 60-second or 30-second percent timers available
- Can be configured for Linear and Pivot functionality

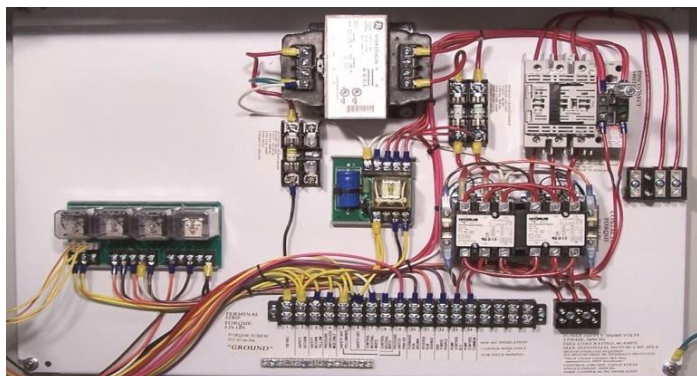
Part #	Description #
3050300150	Hydrus Model 3000Z-SS Main Control Panel, with Lindsay Color Coded wiring, Auto Reverse & Low-Pressure Shutdown, 316 SS Nema 3R Enclosure
3050300151	Hydrus Model 3000ZL-SS Linear Main Control Panel, with Lindsay Color Coded Wiring, Auto Reverse & Low-Pressure Shutdown, 316 SS Nema 3R Enclosure
3050300153	Forward Guidance Arm Tower Box, with Lindsay Color Coded Wiring, 316 SS TB Base
3050300154	Reverse Guidance Arm Tower Box, with Lindsay Color Coded Wiring, 316 SS TB Base
3050300160	Hydrus Model 3000Z-SS Main Control Panel, with Vally Color Coded Wiring, with Auto Reverse & Low-Pressure Shutdown, 316 SS NEMA 3R Enclosure
3050300161	Hydrus Model 3000ZL-SS Linear Main Control Panel, with Vally Color Coded Wiring, with Auto Reverse & Low-Pressure Shutdown, 316 SS NEMA 3R Enclosure
3050300163	Forward Guidance Arm Tower Box, with Valley Color Coded Wiring, 316 SS TB Base
3050300164	Reverse Guidance Arm Tower Box, with Valley Color Coded Wiring, 316 SS TB Base



Hydrus 2300V

Key Features:

- Valley Panel Color Coded Wiring
- FWD/REV interlock contactors
- 3-Sec Boards Installed
- Auto Stop/Auto Reverse Circuits & Relay Installed
- Aux Pump switch pre-wired
- Made in the USA



Product Features

- Familiar internal electrical components and wiring layout
- Volt and Hour Meters
- Forward/Reverse
- Wet/Dry
- Auto End Gun
- Start/Stop
- Pump Control
- Integrated V-Style Auto-Stop/Auto-Reverse & 3-sec delay circuit boards
- The HYDRUS 2300V is designed to work with all existing pivot safety systems.
- Available Low Pressure Shutdown
- Manufactured in the USA & U.L. Listed.
- **Dimensions: 32"W x 20"H x 11.5"D**

Main Control Panel



Standard Inner & Outer Door Stops



Outer Door Lock

For more information, contact your local Irrigation Components Branch.

www.irricomp.com

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(509)492-0846

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Hydrus 2300

Key Features:

- Highly retrofittable
- Large enclosure size for multiple options
- FWD/REV interlock contactors
- (2) Aux switches pre-wired
- Made in the USA



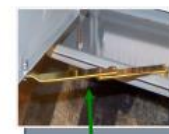
Product Features

- Basic Panel which includes Volt and Hour Meters
- Forward/Reverse Switch
- Wet/Dry Switch
- Auto End Gun Switch
- Start/Stop Switch
- Pump Control Switch
- Pre-select stop switch
- The HYDRUS 2300 is designed to work with all existing pivot safety systems.
- Available option: Low Pressure Shutdown
- Manufactured in the USA and U.L. Listed.
- Dimensions: 32"W x 20"H x 11.5"D

HYDRUS
2300



ICII Part # 3600



Standard Inner
Door Stop



Outer Door Lock

Irrigation Components International

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Tel: 251.626.5470 Fax: 251-447.0190

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Hydrus Collector Ring

Key Features:

- UL Listed
- Original ICI proprietary design
- Durable copper rings
- Copper graphite brushes for outstanding performance
- Aligned brush assembly for greater reliability
- Configuration expandable from 4 to 16 rings
- Made in the USA



Collector Ring with Aluminum Lid

- Available in 4 - 13 Ring (14 Ring available by special order)
- New Aluminum cover adds greater impact resistance. Interchangeable with original plastic cover.
- Specially designed cover latches
- U.L. listed to ensure safety & quality
- Large copper brushes are 80% copper & 20% graphite for less resistance
- Seamless ring to reduce brush wear
- Collector ring fits all center pivot systems using internal style collector ring
- Wires are numbered and/or color coded for easy identification
- Greaseable Zerk fitting in the base, stops shaft seizure.
- Heavy duty die cast aluminum base is more durable than the competition's plastic base.
- 1" NPT female connection to "J" pipe.



11-Wire Part # 3022100141

13-Wire Part # 3022100142



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Collector Ring

Irrigation Slip Ring Assembly Features and Benefits



Tough ABS molded cover and base
with UV inhibitor. NEMA 3R rated for corrosion and weather protection. Gray color.

Mounting screws with nuts included
to easily attach positioning device, now or later.

Copper Alloy Rings
for positive contact and long life.

Durable fiberglass-reinforced nylon ring insulators eliminates chipping and cracking! Rated at 600 volts.

Large brush lead terminal block
with brass barrels.

Plated steel 1/2" NPT hub
for pivot lighting wires.

Plated shaft and weather seal
1" NPT internal threads.

Pre-stripped ring leads
for easy field wiring! Connectors included, (leads not shown).

Durable bronze oilite upper bearing
for trouble-free operation.

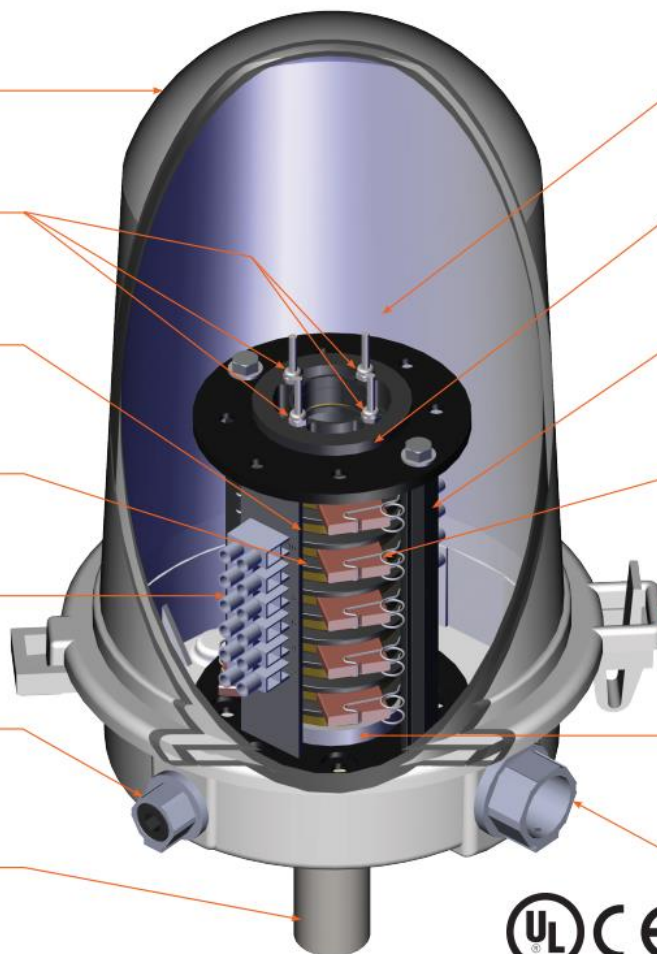
Unitized Brush Carriage
not a collection of loose parts that can fall out of adjustment.

Copper Graphite brushes
35 amp rated. Held firmly to the ring with stainless steel holders. No hardware to come loose. Brushes last 600+ million revolutions.

Easy to use cover latch
completely eliminates the need for loose hardware.

Hardened Aluminum lower bearing
completely protected within enclosure!

Plated steel 1" NPT hub
if hub ever becomes damaged, it can easily be replaced. Not so with molded-in hubs.



Tower Boxes

Key Features:

- Valley Box - Heavy Duty Steel Base, Cam Bearing, and Attachment Tab
- Lindsay Box - High impact, UV Protected Plastic Components
- Made in the USA



Tower Box

Irrigation Components is your one stop shop for Valley and Lindsay Style Tower Boxes.



Available "Woodhead" brand card grips.

Lindsay Style Tower Boxes



Intermediate Tower Box



End Tower Box



Stall Tower Box



Booster Tower Box

Valley Style Tower Boxes



Intermediate Tower Box



End Tower Box



Stall Tower Box



Booster Tower Box

* Tower boxes do not include brackets, alignment rods/linkage.

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End Tower Auto Reverse

Key Features:

- Simple Installation
- Can be installed on any tower
- Works on all pulsed output
- Made in the USA



End Tower Auto Reverse

Irrigation Components offers a universal, easy to install automatic stop and reverse package that mounts to any tower and is easy on the budget. Below is a list of some of the features with this product.

Product Features:

- Safety and crash prevention
- Allows machine to stop from any tower
- Unique four piece control arm configuration for ease of shipping and assembly
- Adjustable for broader base beams
- Kit includes: Arm assembly, control box mounting bracket, control box, springs, turn-buckles, 7 conductor cable, instructions and fasteners
- Made in the USA
- Competitively priced



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Electrical Components



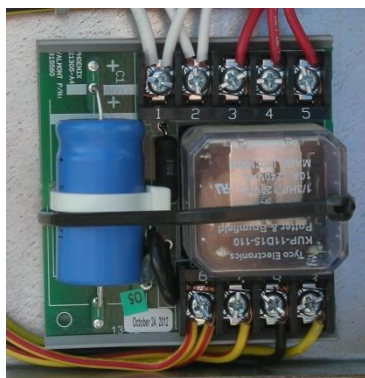
Electrical Components



3-Sec Delay Board

Key Features:

- Valley Panel Color Coded Wiring
- Made in the USA



Irrigation Components International, Inc. is now offering a 3-sec delay board for you pivot control panel as part of the **HYDRUS HCP™** family of products. Our product is easily installed in most control panels, and replaces OEM components.

Product Features

- Familiar internal electrical components and wiring layout.
- Prevents nuisance stalls.
- Manufactured in the USA



Contact your local Irrigation Components branch today!

IRRIGATION COMPONENTS INTERNATIONAL, INC.
www.irricomp.com



Auto Stop/Auto Reverse with Delay

Key Features:

- Valley panel color coded Wiring
- Made in the USA



Auto-Stop, Auto-Reverse Board

Irrigation Components International, Inc. is now offering an Auto Stop, Auto Reverse (AS/AR) board for you pivot control panel as part of the Hydrus™ family of products. Our product is easily installed in most control panels, and replaces OEM components.

Product Features

- Familiar internal electrical components and wiring layout.
- Manufactured in the USA.



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Hydrus Contactors



Key Features:

- OEM Contactors
- 3 & 4 Conductors
- Interlocking Forward & Reverse



These Private Labeled contactors are the same high quality parts used by Valmont.

Features

- Compact size
- Interchangeable Mounting on Durable Metal Back Plate
- Optional Din Rail Mounting
- Weld-resistant Silver Cadmium Oxide Contacts
- Reinforced Thermoset Polyester Housing
- Quiet Operation
- Snap-On Electrical-Mechanical Interlocks
- Visual Contact Position Indications
 - ⇒ Lugs (Standard on 40A and above)
 - ⇒ Binding Dead Screws (Standard 20-30A)
 - ⇒ Quick Connects Featuring One-Piece Durable Design
- Class F Insulation
- Low VA Coil
- Meets:
 - ⇒ ARI/UL/CSA/CE/Sasso Requirements
 - ⇒ 2M Mechanical Life Cycle Tested
 - ⇒ 500,000 Endurance Life Cycle Tested
 - ⇒ 10,000 Recycle Life Cycle Tested



3 Pole Contactor Part # 2024778010



4 Pole Contactor Part # 2024778020



Forward Reverse Contactor Part # 2024778030

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Hydrus Light Kits

Key Features:

- Safety & Monitoring
- Simple Installation
- Multiple style and light options.
- Made in the USA



Light Kits & Accessories

Irrigation Components offers a universal, easy to install light kits that mounts to any tower and is easy on the budget. Below is a list of some of the features with this product.

Product Features:

- Safety and monitoring
- Strobe lighting options
- Engineered and assembled in the USA
- Competitively priced



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Wire & Connectors

Wire & Cable



"Our patented devices are revolutionizing the electrical industry by offering a faster, safer and cost-effective way to transfer power. These innovative alternatives were designed to allow for quick and reliable connectivity without the need for specialized tools or timely processes."

The Melni Connector can be installed in less than 1 minute! Just insert the stripped cable, twist the end caps to tighten the patented spiral insert, and then tighten the waterproof caps. That's it!

Part #	Description
9067450002	#2 - #4 Melni Splice Connector
9067450001	#1/0 - #2/0 Melni Splice Connector
9067450003	#3/0 - #4/0 Melni Splice Connector



**Contact your local
branch for pricing!!**

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Free Freight on orders of 2+ Master Spools

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