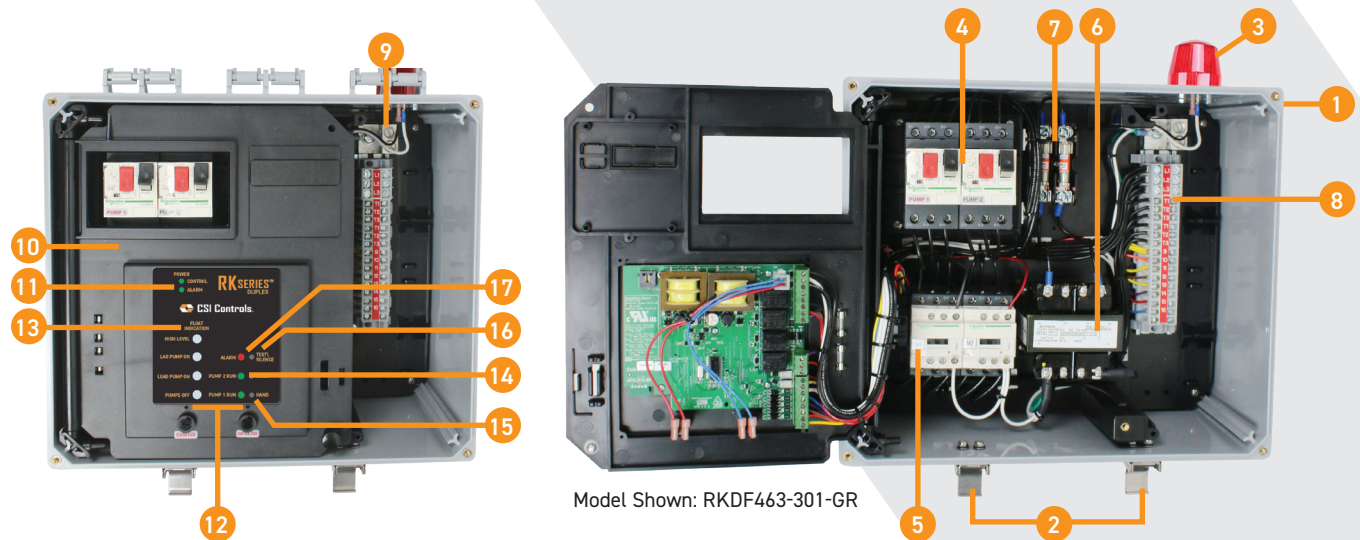


RK Series™ Three Phase Duplex Control Panel

Three Phase, Duplex Demand Float Control System for Pump Control and System Monitoring



Model Shown: RKDF463-301-GR

The RK Series™ Three Phase Duplex panel is designed to control two 208/230/460 VAC three phase pump in water and sewage installations. The protective inner door features panel operating status indicators, control buttons and provides access to the pump motor protection switches. The controller provides alternation of the pump for even usage.

FEATURES

- NEMA 4X engineered thermoplastic enclosure with lockable latches
- Flashing red 360° alarm beacon with horn, includes innovative touch to silence pad.
- Float indication lights allow the user to see the status of each float and flashes should a float fail out-of-sequence.
- Pump push to run with low level protection when activated manually
- Includes easy access touch safe fuses
- Timed dose control option available or can be easily retrofitted in the field



US Patent No.
7,075,443 and 7,471,207

OPTIONS



Optional Digital Interface Board (DIB)



Optional Digital Display Center (DDC)

Display options for viewing pump elapsed time, cycle counts and timed dose control

COMPONENTS

1. NEMA 4X enclosure rated for indoor or outdoor use
2. Lockable latches for added safety
3. 360° red alarm beacon for visual alert
4. Motor protective switch provides the adjustable overload, branch circuit protection, and pump disconnect
5. IEC motor contactor controls the pump motor load by switching the electrical lines
6. Multitap transformer (208/230/460 VAC primary) provides 115 VAC control/alarm voltage
7. Primary transformer voltage fuses provides transformer short circuit protection
8. Terminal Strip field wiring of incoming power, floats, and pumps
9. Ground lugs
10. Molded inner door protects from high voltage, and mounting location for indicators, control buttons, and controller circuit board
11. Green LEDs provide power indication for control and alarm circuit power
12. Red LEDs provides indication when either control or alarm fuse is blown.
13. Float status LEDs provide tank level indication and float out-of-sequence detection (High Level - red, Pump Start Level - yellow, Pump Stop Level - green)
14. Green Pump Run LED provides indication when pump is called to run
15. Pump Hand/Run button provides mechanism to operate the pump manually
- 16) Alarm Test/Silence button
- 17) Red LED alarm indication for high water
- 18) Piezo audible alarm (not shown)



CSI Controls®

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RK SERIES™ THREE PHASE DUPLEX CONTROL PANEL

| Model | FLA Range | Enclosure Type | Input Power VAC - PH | Circuit Breakers |
|-------------|---|----------------|----------------------|------------------|
| RKDF463-001 | 1.0-1.6 | NEMA 4X | 208/230/460-3 | Motor |
| RKDF463-101 | 1.6-2.5 | NEMA 4X | 208/230/460-3 | Motor |
| RKDF463-201 | 2.5-4.0 | NEMA 4X | 208/230/460-3 | Motor |
| RKDF463-301 | 4.0-6.3 | NEMA 4X | 208/230/460-3 | Motor |
| RKDF463-401 | 6.0-10.0 | NEMA 4X | 208/230/460-3 | Motor |
| RKDF463-511 | 9.0-14.0 | NEMA 4X | 208/230/460-3 | Motor |
| RKDF463-611 | 13.0-18.0 | NEMA 4X | 208/230/460-3 | Motor |
| RKDF463-621 | 17.0-23.0 | NEMA 4X | 208/230/460-3 | Motor |
| RKDF463-701 | 20.0-25.0 | NEMA 4X | 208/230/460-3 | Motor |
| RKDF463-801 | 24.0-32.0 | NEMA 4X | 208/230/460-3 | Motor |
| Options | Description | | | |
| AMB | Amber beacon (red beacon is standard) | | | |
| DC | Digital Display Center (DDC) 4-character LED | | | |
| DCTD | Time Dosing DDC 4-character LED | | | |
| FC20 | (4) 20 foot (6.1m) mechanical control switches / pipe clamp | | | |
| FC20CW | (4) 20 foot (6.1m) mechanical control switches / cable weight | | | |
| FR20 | (4) 20 foot (6.1m) mercury control switches / pipe clamp | | | |
| FR20CW | (4) 20 foot (6.1m) mercury control switches / cable weight | | | |
| FC30 | (4) 30 foot (9.1m) mechanical control switches / pipe clamp | | | |
| FC30CW | (4) 30 foot (9.1m) mechanical control switches / cable weight | | | |
| FR30 | (4) 30 foot (9.1m) mercury control switches / pipe clamp | | | |
| FR30CW | (4) 30 foot (9.1m) mercury control switches / cable weight | | | |
| FC50 | (4) 50 foot (15.2m) mechanical control switches / pipe clamp | | | |
| FC50CW | (4) 50 foot (15.2m) mechanical control switches / cable weight | | | |
| FR50 | (4) 50 foot (15.2m) mercury control switches / pipe clamp | | | |
| FR50CW | (4) 50 foot (15.2m) mercury control switches / cable weight | | | |
| GR | Gray enclosure (included as standard) | | | |
| HS | Heat Sensor Terminals | | | |
| HTR | Anti-Condensation Heater | | | |
| IB | Digital Interface Board (DIB) 32-character LCD | | | |
| IBTD | Time Dosing DIB 32-character LCD | | | |
| LA | Lightning Arrestor | | | |
| SF | Seal Failure Indicator Light | | | |
| X | Auxiliary Alarm and Redundant Off Circuitry (control switch not included) | | | |

SEE PRICE BOOK FOR LIST PRICE.

SPECIFICATIONS

VOLTAGE SUPPLY: 208/230/460 VAC 60 Hz 3Ø

ENCLOSURE: 14 x 12 x 6 inch (35.6 x 30.5 x 15.2 cm)

NEMA 4X ultraviolet stabilized thermoplastic rated for indoor/outdoor use with mounting feet

INNER DOOR: molded thermoplastic

LOCKING LATCHES (2): stainless steel, padlockable

FLOAT CONTROL VOLTAGE: 115 VAC

MOTOR STARTER: IEC motor protection switches and IEC motor contactors

PUMP AMPS: 1-32 Amps

ALARM HORN: 83-85 decibel rating

FLASHING RED LED ALARM LIGHT 360°



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California Prop 65 requires the following: WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov