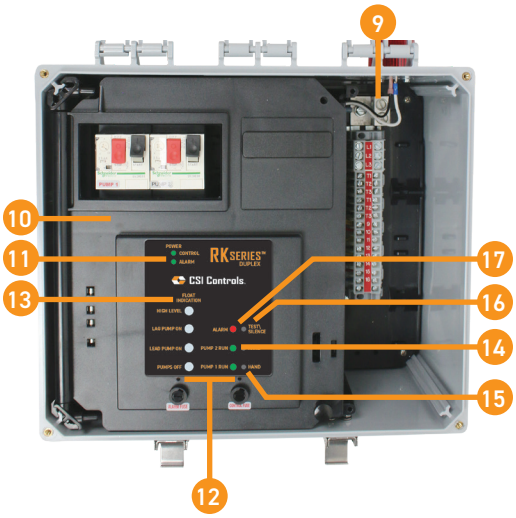
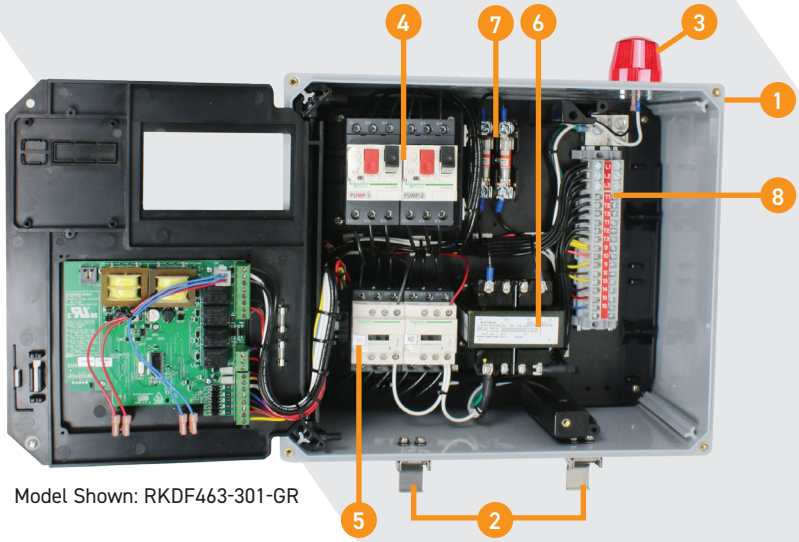
RK Series™ Three Phase Duplex Control Panel

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

5 YEAR WARRANTY

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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)

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Toll Free: 888-342-5753
customer.service@sjeinc.com
www.csicontrols.com

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

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