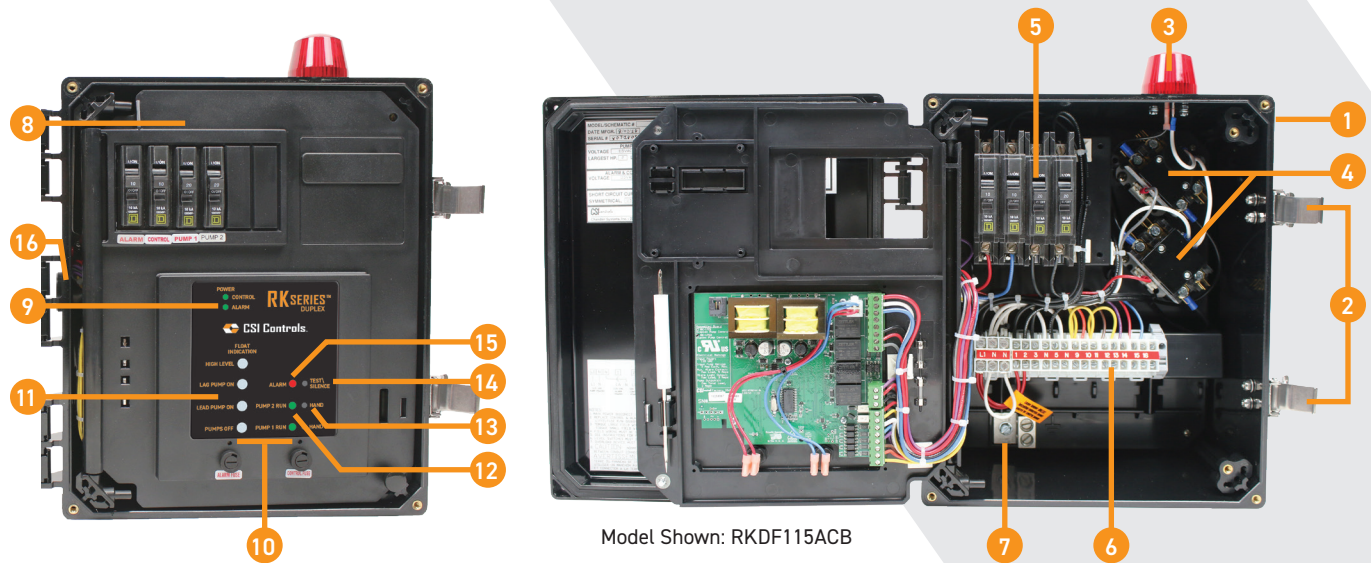


# RK Series™ Single Phase Duplex Control Panel

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



Model Shown: RKDF115ACB

The RK Series™ Single Phase Duplex panel is designed to control two 115/230 VAC single phase pumps in water and sewage installations. The protective inner door features panel operating status indicators, control buttons and provides access to the pump and control circuit breakers. The controller provides for alternation of the pumps 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. Magnetic motor contactors control the pump motor load by switching the electrical lines
5. Circuit breakers provide pump and control/alarm disconnect and branch circuit protection
6. Terminal strip field wiring of incoming power, floats, and pumps
7. Ground lugs
8. Molded inner door protects from high voltage, and mounting location for indicators, control buttons, and controller circuit board
9. Green LEDs provide power indication for control and alarm circuit power
10. Red LEDs provide indication when either control or alarm fuse is blown
11. Float status LEDs provide tank level indication and float out-of-sequence detection (High Level - red, Pump Start Level - yellow, Pump Stop Level - green)
12. Green Pump Run LEDs provides indication when pumps are called to run
13. Pump Hand/Run buttons operate the pumps manually
14. Alarm Test/Silence button
15. Red LED alarm indication for high water
16. Piezo audible alarm



# CSI Controls®

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## RK SERIES™ SINGLE PHASE DUPLEX CONTROL PANEL

Model	FLA Range	Enclosure Type	Input Power VAC - PH	Circuit Breakers
RKDF115CB	0-12	NEMA 4X	115-1	Motor & Control/Alarm
RKDF115ACB	0-12	NEMA 4X	115-1	Motor, Control & Alarm
RKDF230CB	0-12	NEMA 4X	230-1	Motor & Control/Alarm
RKDF230ACB	0-12	NEMA 4X	230-1	Motor, Control & Alarm
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 (black enclosure is standard)			
HD1	Heavy Duty 1: Increases breakers and wire gauge to allow 12-18 FLA			
HD2	Heavy Duty 2: Increases breakers and wire gauge to allow 18-24 FLA			
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			
OL##	Pump Overload - specify amperage after OL (Example: OL02 = 2 amp pump, OL20 = 20 amp pump)			
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:** Pumps: 115 VAC or 230 VAC 50/60 Hz 1Ø  
Control/Alarm: 115 VAC 60 Hz 1Ø

**ENCLOSURE:** 12 x 10 x 6 inch (30.5 x 25.4 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 STARTERS:** magnetic motor contactor

**PUMP AMPS:** 0-12 Amps, 12-18 Amps, 18-24 Amps

**ALARM HORN:** 83-85 decibel rating

**FLASHING RED LED ALARM LIGHT 360°**



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