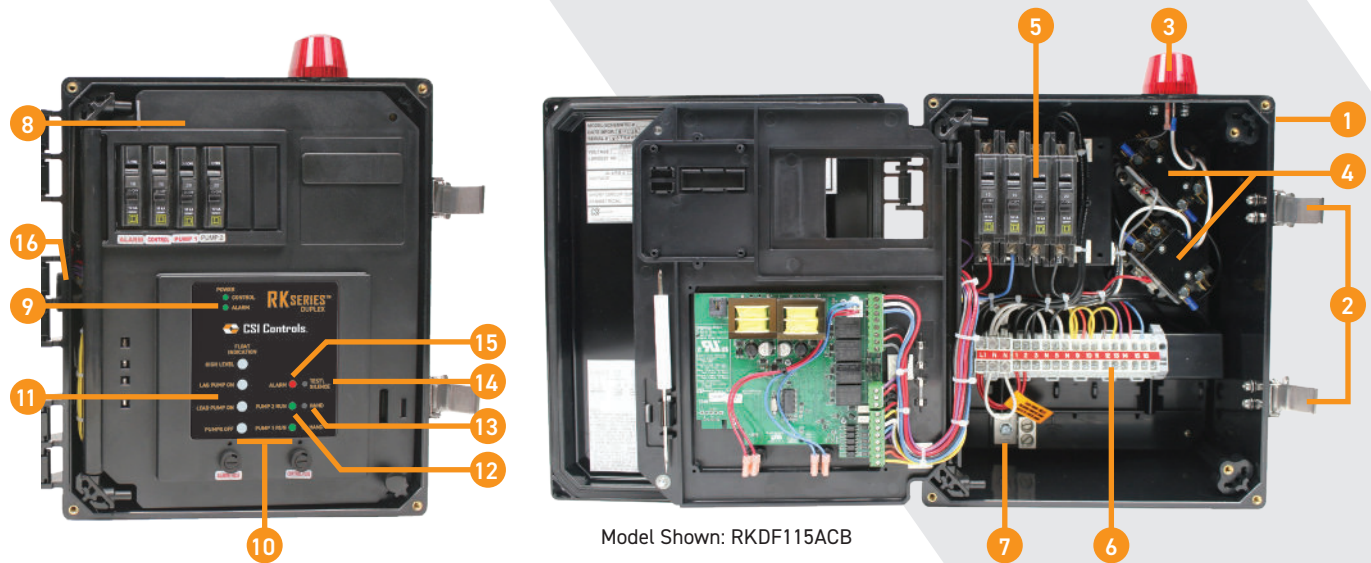# RK Series™ Single Phase Duplex Control Panel

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®

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°

◆ **CSI Controls**®

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

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