

IFS Drip Irrigation Control Panels

Are you ready for an **easy-to-use, reliable** control panel to use with your subsurface drip irrigation system? **SJE-Rhombus Controls** introduces the innovative **Installer Friendly Series® Drip** irrigation control panel.

The **IFS Drip** irrigation panel controls one single phase pump (120V or 230V) and two valves (flush and spin valves). At a glance, you can monitor system cycles, float status, pump run status, and more. Programming has never been easier with the **simple-to-use touch pad display** on the inner door. With a touch, you can easily program system functions, including: rest for standard time, rest for peak enable time, spin filter flush time, dose time, field flush time, field drain time.



TOUCH PAD DISPLAY FEATURES:

LED indicator lights for:

- Pump run
- Rest time
- Float status, including float out-of-sequence alarm
- Cycles: dose, flush, drain
- Separate control and alarm fuses with power indicators; replacement indicator for alarm fuse
- HAND/OFF/AUTO pump control
- Count
- Program
- Flush valve
- Spin valve
- Advance and pause buttons allow user to cycle through system functions for testing

Digital display features:

- High water alarm count
- Float status sequence error count
- Low level cutout float open low alarm count
- Standard dose count
- Power-fail count
- Pump on/off cycle count
- Pump run time (minutes)
- Peak dose count



P/N 1018134

List Price **\$1,285***

IFS DRIP PANEL FEATURES:

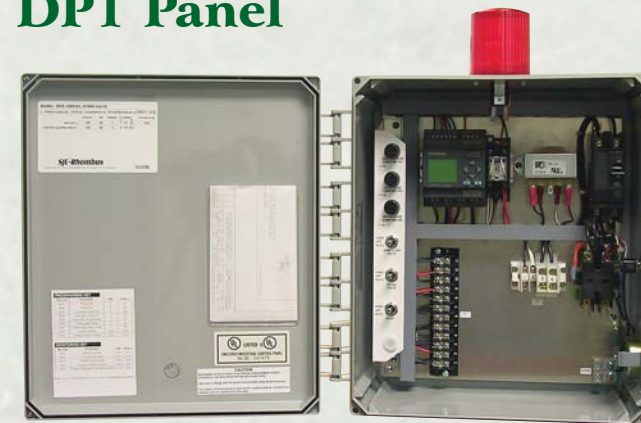
- Innovative circuit board design creates additional space inside for wiring panel
- Inner door for added safety
- Controls 24 VAC or 120 VAC solenoid valves (spin, flush)
- Alarm beacon and horn (85 decibel rating) provides visual and audio warning of alarm condition
- Test/Normal/Silence switch
- Large, easy-to-use terminal blocks
- Input display code and counter display code labels on inside cover for viewing/programming digital display
- Pump circuit breaker for branch circuit protection and pump disconnect
- NEMA 4X weatherproof enclosure for indoor/outdoor use
- Float/pump wiring diagram mounted to backplate
- Includes four float switches
- UL/cUL Listed
- Three-year limited warranty



Subsurface Drip Panel Controllers

These **PLC-based** (Programmable Logic Controller) subsurface drip panels control one single phase (120V or 230V) pump and two valves (flush and spin valves). The installer can program the PLC to contain **all timer settings** and **monitoring information** for the system. **Programming is at your fingertips** via a touch pad and screen displays on the PLC. Each panel includes these PLC log functions: pump elapsed time meter, pump cycle counter, pump fail counter, high alarm counter, override float counter.

DP1 Panel



The **DP1** (14" x 12" NEMA 4X enclosure) operates with a hydraulically-controlled ratcheting valve for zone control (*Valve not included*).

List Price **\$1,542***

Each system is **UL/cUL Listed** and comes complete with float switches, pump circuit breaker, alarm and control fusing, condensation heater, NEMA 4X rated outdoor enclosure, complete operating/programming instructions and carries a **three-year** limited warranty.

Panel Operation:

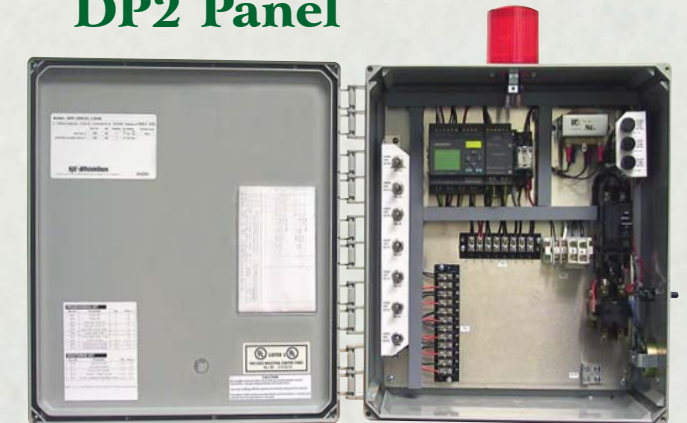
Four (4) float switches (low level float, timer on float, override float, and high level float) control the operation. Timers internal to the PLC control the pump dosing cycles. When the liquid level reaches the timer on float, the following operations occur:

1. The pump will run on and the spin filter valve will be activated for the user-programmed length of time.
2. The spin filter valve will then close and the pump will continue to run for the user-programmed timer on or override timer on time.
3. The pump will continue to run and the flush valve will be activated for the user-programmed length of time.
4. The pump will then be turned off and the flush valve will remain on for the user-programmed drain time.
5. The flush valve will then close for the user-programmed off time.

After the user-programmed number of cycles, the flush valve will remain activated during a dose for each zone. This will occur until each zone has been fully activated. There is a better control panel to work with your subsurface drip systems!

**Prices subject to change without notice.*

DP2 Panel



The **DP2** (16" x 14" NEMA 4X enclosure) operates up to four (4) independent electro-mechanical valves for zone control (*Valves not included*).

List Price **\$1,997***

