

CONTROL-RRR

General Description

CONTROL-RRR units operate pumps, valves and alarms based on a dual set point control algorithm. Each unit includes up to 4 control channels, and can display data from up to 4 sensors. CONTROL-RRR is telemetry ready for spread spectrum radio, so sensors can be connected both locally and/or at remote sites.

Applications

- Frost monitoring and control
- Water tank filling
- Wind Speed and Direction monitoring
- Butterfly valve control
- Gate position monitoring and control
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Theory of Operations

Each control output is associated with a sensor that provides feedback information to the controller. The controller compares the sensor reading with two set points to determine whether to turn the control output on or off. The standard function turns the control ON when the sensor reading is less than the **Min Level** set point, and turns the control OFF when above the **Max Level** set point. The unit can be factory programmed to operate the inverse function (Figure 1). In either case, there is no change in the control when the sensor reading is between the set points.

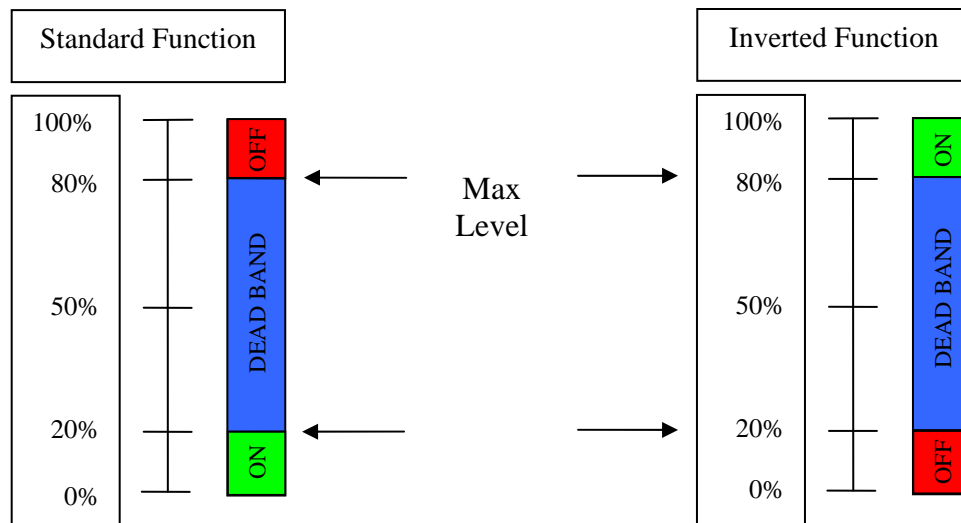


Figure 1

Each control channel also features a “Control Delay” lockout timer (Range: zero to 4 minutes 25 seconds). The timers are factory pre-set to provide a delay between changes in control status. This provides a measure of safety for motors that need time to fully start or stop before the control toggles.



Features

- HOA switches for local control
- Green LED status lights
- Keypad for set point adjustment