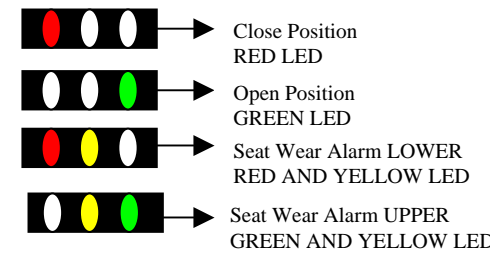


SPEC 430

Valve Sensor Programming- WCB Single Seat Valves

Run Mode Display:
Single Seat Valves Series W60, W80, W90

After power up, the sensor goes automatically into run mode.	Output Conditions 
Note: A Green blinking LED means that the sensor was powered up without a target present. Power down and power up with target present. A Red blinking LED means that the target is out of range. Re-position target within sensing area. No LED means no output has been triggered.	

Programming Steps:
Single Seat Valves W60, W80, W90
FOR 3 POS-AR ACTUATOR USE SPEC431

1	Push and Hold P button for 2 seconds to enter programming mode. All LED's will blink twice.
2	The Red LED will be ON. The sensor is ready to be taught the Closed position.
3	Make sure valve stem is at the Closed position. Push T button for ½ second. If teach has been successful, the LED will move to the Yellow position (Seatlift).
4	Skip Seatlift teach by pushing the P button once to toggle the LED to the Green position (Valve Open).
5	Move valve stem to the Open position. Push T button for ½ second. If teach has been successful, the LED will move to back to the Red position (Valve close).
6	After all positions are taught. Hold down P button until the Green LED blinks. Release P button to exit programming mode.
7	If positions are taught correctly, all LEDs blink twice. If there is an error, the Red LED will blink. Push P button once to reset alarm. Repeat steps 1-7 to reprogram sensor.

Note: Valve Sensor can only be programmed when assembled to a functioning valve.

If teach unsuccessful, Red LED remains ON. Repeat programming steps.

Seatlift alarm is used for valve seat wear detection. Skip Seatlift teaching to activate seal wear detection function.

If teach is unsuccessful, the Green LED will remain ON. Repeat programming steps.

Note: The **P** button (Position) can be used to toggle between Red, Green, and Yellow. Use this button in case you want to first teach Valve Open. Seatlift is not used for Single Seat Valves. The default is set for the Closed position (Red LED) as starting point.

Locking/Unlocking:
In Run Mode

1	Push and Hold T and P button together for 10 seconds. Release when Red, Yellow, and Green LED's are ON one after.
2	Follow same procedure to unlock sensor.