Claims

1. A device for indicating the status of a valve comprising: a position indicator, wherein the position indicator includes a monitoring element~~;~~, at least one proximity sensor, a position couple engageable with the valve and a communication element, wherein the position indicator includes threading in a bore defined through the position couple and a magnet placed within the position couple, and wherein the at least one proximity sensor is a first Hall sensor and a second Hall sensor, the first Hall sensor positionable relative to an open position of the valve and the second Hall sensor positionable relative to a closed position of the valve, the at least one proximity sensor being connected to a circuit board.

~~2. The device of claim 1, wherein the position indicator includes a position couple engageable with the valve.~~

~~3. The device of claim 2, wherein the position couple includes threading in a bore defined through the position couple.~~

~~4. The device of claim 2, wherein the position indicator includes a magnet placed within the position couple.~~

~~5. The device of claim 2, wherein the position indicator includes at least one proximity sensor.~~

~~6. The device of claim 5, wherein the at least one proximity sensor is a first Hall sensor and a second Hall sensor, the first Hall sensor positionable relative to an open~~

~~position of the valve and the second Hall sensor positionable relative to a closed position of the valve.~~

~~7. The device of claim 5, wherein the at least one proximity sensor is connected to a circuit board.~~

~~8.~~2. The device of ~~claim 2~~ claim 1, wherein the position couple is engageable with a stem of the valve.

~~9.~~3. The device of ~~claim 8~~ claim 2, wherein the position indicator is mountable between a stuffing box of the valve and an op nut of the valve.

~~10.~~4. The device of ~~claim 2~~ claim 1, wherein the position indicator includes a stem collar mountable on a stem of the valve, the position couple engaging the stem collar.

~~11.~~5. The device of claim 1, wherein the position indicator includes a ring gear mechanically coupled to the valve.

~~12.~~6. The device of claim 1, wherein the position indicator includes a potentiometer mechanically correlated to the valve.

~~13.~~7. The device of claim 1, wherein the communication element includes a communication device.

~~14.~~8. The device of ~~claim 13~~ claim 7, wherein the communication device includes a visual readout.

~~15.~~9. The device of ~~claim 13~~ claim 7, wherein the communication device is connected to the position indicator by a wire conductor.

~~16.~~10. The device of ~~claim 13~~ claim 7, wherein the communication device includes an antenna.

~~17.~~11. A method for indicating the status of at least one valve comprising:
monitoring positions of a device enclosed by a first valve with a position indicator, wherein monitoring positions of a device enclosed by the first valve with a position indicator includes using at least one proximity sensor to determine the position of a magnet of the position indicator, the at least one proximity sensor comprising a first Hall sensor and a second Hall sensor, the first Hall sensor positionable relative to an open position of the valve and the second Hall sensor positionable relative to a closed position of the valve, the first Hall sensor and the second Hall sensor being connected to a circuit board,
communicating the positions of the device enclosed by the first valve with a communications element.

~~18. The method of claim 17, wherein monitoring positions of a device enclosed by the first valve with a position indicator includes using at least one proximity sensor to determine the position of a magnet of the position indicator.~~

~~19.~~12. The method of claim ~~17~~ 11, further comprising:
monitoring positions of a second device enclosed by a second valve with a second position indicator;
communicating the positions of the second device enclosed by the second valve with the communications element.

~~20.~~13. The method of claim ~~17~~ 11, further comprising communicating the position of the device enclosed by the first valve with a remotely located communicator.