

ABSTRACT

WIRELESS RECEPTOR FOR COMMUNICATIONS WITHIN HOUSINGS

The present invention provides a system and method for transmitting information between a device within a housing to a second device, preferably a test or monitoring unit, outside of the housing. There are numerous issues associated with transferring information from within a sealed housing to an external device. In some cases, the use of wires inside the housing may be impractical, due to internal conditions, such as fluid flow, pressure or temperature. In one embodiment, the antenna of the external RF reading device is electrically connected to the dome of the housing. In another embodiment, the device within the housing is electrically connected to a housing component. In another embodiment, the gasket is used to pass information from within the housing to an external device.

Figure 1