**CONCLUSION**

The applications described in this article are just few examples of how Hall Effect improves the performance and reliability of modern appliances over traditional implementation techniques. The various appliances that make use of Hall Effect are washer, dryer, oven, refrigerator, dishwasher etc. The hall sensor in washing machine helps monitor motor operation. In refrigerators, a sensor of Hall Effect type can detect the position of the door.

The global market for these proximity sensors is expected to grow at a steady rate. Major industries using proximity sensors are machines tools, woodworking machines, packaging machines and other types of machinery. Further applications of proximity sensors are automatic door units such as garage doors or doors inside buildings, elevator doors or doors inside railway coaches. The building and automotive sector are further industries using high volumes of proximity sensors.

**FUTURE SCOPE**

Sensors have made serious inroads into automotive, medical, industrial, and aerospace applications. Hall Effect sensors will find homes in a vast range of automotive functions, including sensing throttle and brake pedal position, camshaft position and speed, barometric air pressure, and manifold absolute pressure (MAP).  Proximity sensors market is driven by its increasing application in manufacturing and packaging industries on the back of increasing automation and achieving efficiency. Besides greater penetration in the automotive, medical, and industrial arenas, sensor manufacturers also anticipate a multitude of applications in wireless communications and consumer electronics.