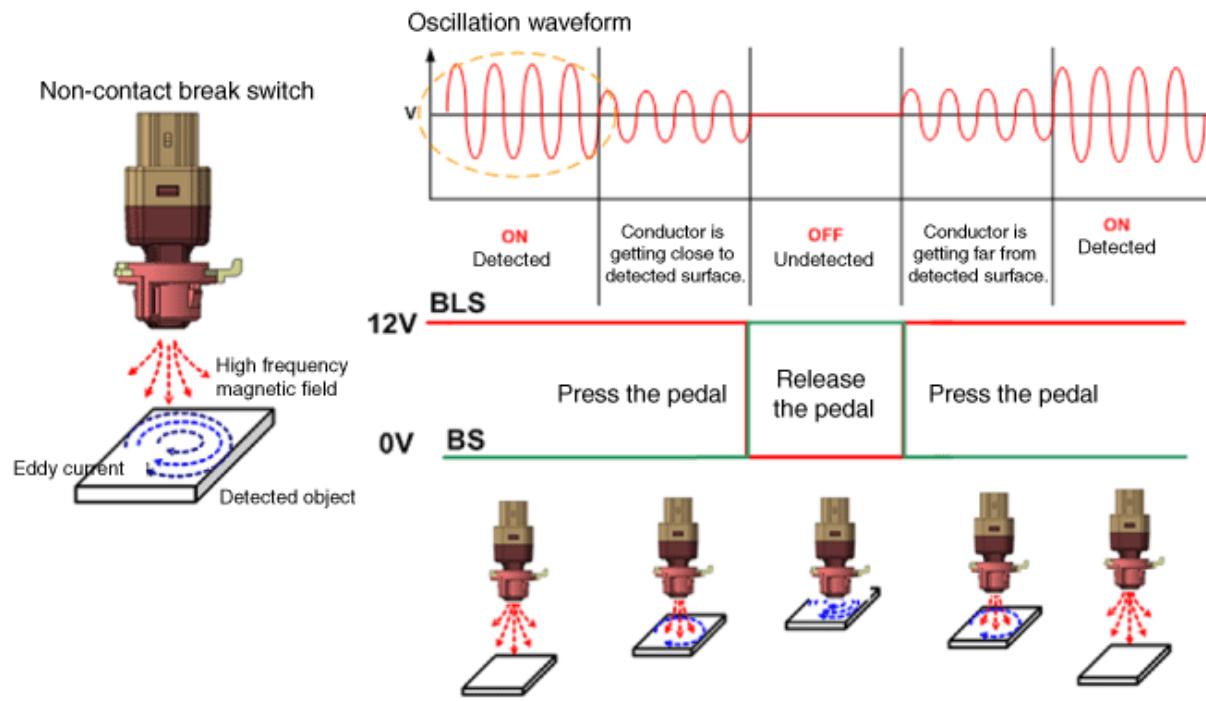




Operation



Operation principle of inductive non-contact switch

1. Use the high frequency magnetic field and the induced current that are generated by oscillation (to approved voltage) of coil in switch.
2. The eddy current is generated on surface of metal by self inductance effect if there is metal in high frequency magnetic field.
3. The eddy current that is generated attenuates the high frequency magnetic field as much as amount of generated by disturbing the switch's magnetic flux.
4. ON-OFF by judging whether high voltage magnetic field is attenuates or not (calculate the voltage difference by length between metal and coil)