

Title (en)
MOTION DETECTOR

Title (de)
BEWEGUNGSMELDER

Title (fr)
DETECTEUR DE DEPLACEMENT

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Application
EP 98949004 A 19981002

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• DE 19749991 A 19971112
• EP 9806292 W 19981002

Abstract (en)
[origin: WO9924847A1] The invention relates to a motion detector or proximity switch for detecting moving objects, wherein a high frequency electromagnetic radiation is generated by a free running oscillator and transmitted via a transmitter antenna. Said transmitter antenna detects the Doppler modified radiation reflected by the moving object as a function of its phase position or amplitude variation. Said radiation is compared with the transmitted radiation parameters in an evaluation device with a view to producing an output signal. The inventive detector is characterised in that it comprises a free running oscillator having a feedback guaranteed by at least one transmitter antenna ANT RX and at least one receiver antenna ANT TX which are oriented towards the object and coupled via a side or leakage radiation.

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G01S 13/56; **G01S 7/35**

IPC 8 full level
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See references of WO 9924847A1

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