

EXHIBIT 3  
BLOCK AND SCHEMATIC DIAGRAMS  
2.1033 (b)(5)



**Retlif Testing Laboratories**  
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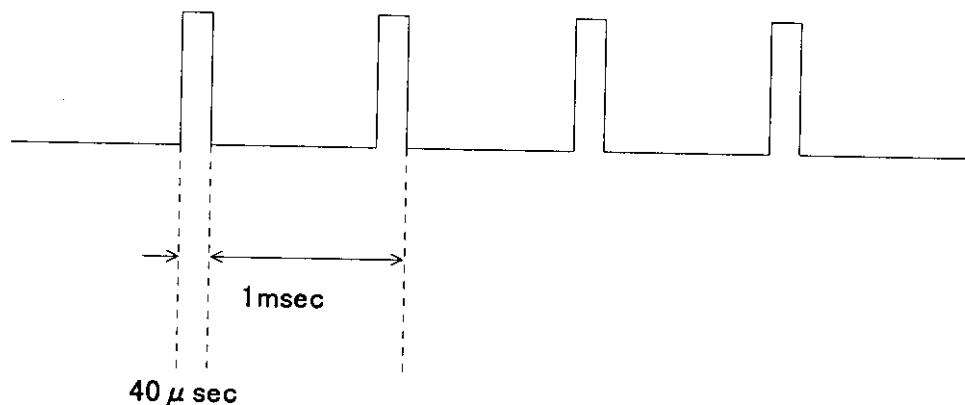
### Description of Microwave Doppler Sensor (SD1)

DX-40, DX-40PLUS

Microwave Doppler Sensor (SD1) transmits and receives X-band microwave. If there is a moving object in the detection area, it causes changes in received microwave frequency (doppler effect). SD1 outputs a signal when there are such changes.

Microwave transmitting frequency = 10.525 [GHZ]

In order to save current draw, power is supplied to SD1 at pulsed operation of 4% of the duty value, namely, for 40 micro sec. per 1msec. At the same timing, SD1 transmits and receives microwave, and analyse a signal by doppler effects by "Sample and Hold Circuit". The timing chart is following.



## BLOCK DIAGRAM : DX-40 , DX-40PLUS

