

7.1 Sensor Detector Truth Table and K-Map

Redundant 2	Redundant 1	Low	High	Output
0	0	0	0	0
0	0	0	1	1
0	0	1	0	0
0	0	1	1	1
0	1	0	0	0
0	1	0	1	1
0	1	1	0	1
0	1	1	1	1
1	0	0	0	0
1	0	0	1	1
1	0	1	0	1
1	0	1	1	1
1	1	0	0	0
1	1	0	1	1
1	1	1	0	1
1	1	1	1	1

	R2'		R2		
L'	0	0	0	0	H'
	1	1	1	1	H
L	1	1	1	1	H'
	0	1	1	1	
	R1'	R1		R1'	

SoP Form = $H + R1 * L + R2 * L$