

KDS-2001 USERS GUIDE

1. Specification

Supply power	AC 110V/220V, ±10%, 50/60HZ
Consuming power	Normal 1.0W operation 3.6W
Size	105mm(H) × 75mm(W) × 41mm(D)
Quality of material	aluminum
Weight	282g

2. Function

detection method	Pass detection mode(Frequency change mode)
detection range	All of vehicle
sensing range	LOOP COIL width over vehicle space distance
detection speed	0Km ~ 180Km/h
sensitivity	High sensitivity – Low sensitivity (8 Level)
Alignment	Automatic alignment system
timer function	0 ~ 14 Second control the time by option
Reset function	Reset bottom when error (Automatic:30 SEC, Manual:Option)
Input signal	No power relay (short or long point of contact)

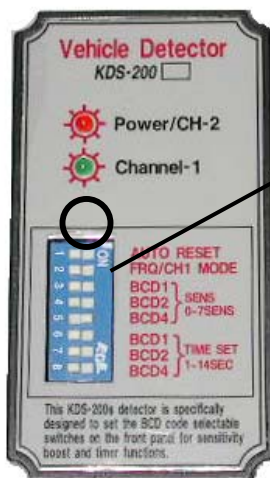
3. Exterior DIP S/W setting up

1) DIP S/W 1 : Auto Reset and sensitivity

When Normal control have error, It can be automatically reset after 30 second

2) DIP S/W 2 : Frequency sensitivity control

When they use 2 detector which can be adjust different types of method as High(64) Low(59) ,They are both avoid interference each other

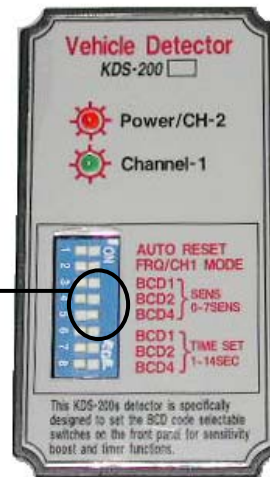


DIP S/W	Function	ON	OFF
1	Auto Reset	30 Second	OFF
2	Frequency	LOW	HIGH

3) DIP S/W 3,4,5 : sensor sensitivity control

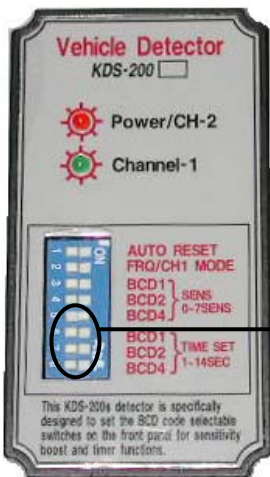
1-8 level available for sensitivity control and recommend Setting 5 for general level

Sensitivity	DIP S/W 3 No	4 No	5 No
1	OFF	OFF	OFF
2	ON	OFF	OFF
3	OFF	ON	OFF
4	ON	ON	OFF
5	OFF	OFF	ON
6	ON	OFF	ON
7	OFF	ON	ON
8	ON	ON	ON



4) DIP S/W 6,7,8 : time Setting

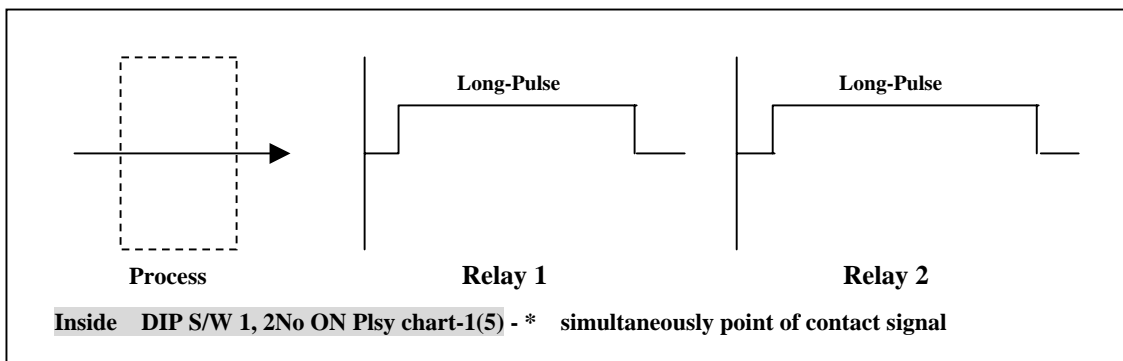
When light signal use, it can be possible to setting ring sound



Time	DIP S/W 6No	7No	8No
0 second	OFF	OFF	OFF
2 second	ON	OFF	OFF
4 second	OFF	ON	OFF
6 second	ON	ON	OFF
8 second	OFF	OFF	ON
10second	ON	OFF	ON
12second	OFF	ON	ON
14second	ON	ON	ON

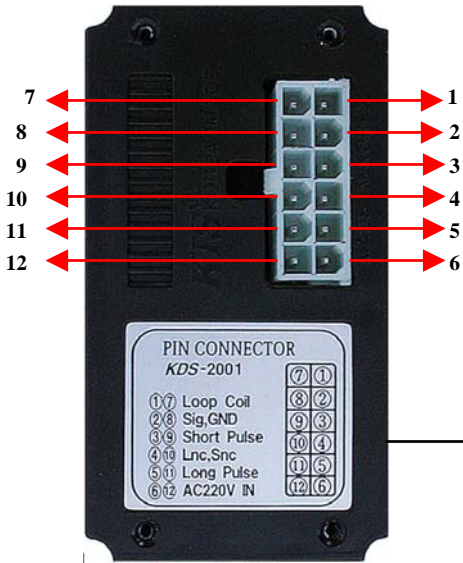
Inside DIP S/W Opeation

Inside DIP S/W 2No Play - Chart-1(2)



4. CONNECTOR

chart -2



connectorNo	function
1, 7	Loop Coil
2, 8	Sin, GND
3, 9	Short Puls, Com
4, 10	Lnc, Snc
5, 11	Long Puls, Com
6, 12	AC220V IN

COMPANY CONTACT:

If after troubleshooting a problem, a satisfactory solution cannot be achieved, please call WAFER for further assistance during China Beijing Standard Time at 0086-21-68458945 from 9am - 5pm.

Or Please contact our local agent as soon as possible.

And you also can use our online service MSN: waferstar@hotmail.com.

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