

# LEADS DESCRIPTION OF LPG/CNG OPTIMA PRO-TEC CONTROLLER



Pin number	Description	Type	Color
01	Petrol injector 1	Out	Yellow
02	Petrol injector 2	Out	Green
03	Petrol injector 3	Out	Red
04	Petrol injector 4	Out	Blue
05	Petrol injector 5	Out	Pink
06	Petrol injector 6	Out	Violet
07	Petrol injector 7	Out	Brown
08	Petrol injector 8	Out	Grey
09	Gas injector 8	Out	Grey
10	Gas injector 6	Out	Violet
11	Gas injector 4	Out	Blue
12	Gas injector 2	Out	Green
13	Ground / GND	Out	Brown
14	+12V - Gas injector 1, 2, 3, 4	Out	White - Red

15	+12V - Ignition switch	In	Black - Red
16	+12V - Power supply	Out	Red
17	+12V - Power supply	Out	Red
18	-		
19	OBD	In	Green - Black
20	OBD	In	Green
21	+12V - Switch BG	Out	Red
22	+12V - Battery	In	Red
23	-		
24	-		
25	Switch BG	Out	Grey
26	-		
27	-		
28	RPM	Out	Brown

Pin number	Description	Type	Color
29	Petrol injector 1 - ECU	In	Yellow - Black
30	Petrol injector 2 - ECU	In	Green - Black
31	Petrol injector 3 - ECU	In	Red - Black
32	Petrol injector 4 - ECU	In	Blue - Black
33	Petrol injector 5 - ECU	In	Pink - Black
34	Petrol injector 6 - ECU	In	Violet - Black
35	Petrol injector 7 - ECU	In	Brown - Black
36	Petrol injector 8 - ECU	In	Grey - Black
37	Gas injector 7	Out	Brown
38	Gas injector 5	Out	Pink
39	Gas injector 3	Out	Red
40	Gas injector 1	Out	Yellow
41	+12V - Solenoid valve	Out	Blue
42	Gas injector 5, 6, 7, 8	Out	White - Red

43	+12V - Power supply	Out	Red
44	Ground / GND	Out	Brown
45	Ground / GND	Out	Brown
46	RXD	In	Grey
47	TXD / Switch BG	Out	Blue
48	CAN	In	Grey
49	CAN	In	Grey - Black
50	Lambda - 1	In	Violet
51	Gas temperature	In	Yellow
52	Reducer temperature	In	Orange
53	Gas pressure - MAP	In	Grey
54	Vacuum - MAP	In	White
55	Gas level	In	White
56	Lambda 2	In	Grey