

Directed Resistor Interface Pack

The Directed Resistor Interface Pack is an assortment of resistors used to interface with most of today's multiplexed circuits.

When using the Directed Resistor Interface Pack, some circuits may require a different resistance value than the resistors supplied. If necessary, different resistance values may be obtained by combining the resistors in a parallel or series connection, both of which will provide different values.

For example, if the 620 OHM resistor and the 660 OHM resistor are wired in parallel, the value is 320 OHMS. The same resistors wired in a series configuration will produce a value of 1280 OHMS. This allows greater flexibility with more values to use while interfacing with the multiplexed systems of today's vehicles.

Series Connection

In a series connection, the end value is the sum of Resistor 1 (R1) and Resistor 2 (R2). I.e., $R1 + R2 = R3$.



Parallel Connection

In a parallel connection, the end value is determined by Resistor 1 (R1) multiplied by Resistor 2 (R2). That total is then divided by the sum of R1 and R2. I.e., $\frac{R1 \times R2}{R1 + R2} = R3$



Please refer to DirectFax Doc. 1041.

Resistor Values

Resistor Value (OHMS)	Colors
249	Red, Yellow, White, Black, Brown
330	Orange, Orange, Brown, Gold
365	Orange, Blue, Green, Black, Brown
390	Orange, White, Brown, Gold
430	Yellow, Orange, Brown, Gold
470	Yellow, Violet, Brown, Gold
487	Yellow, Gray, Violet, Black, Brown
560	Green, Blue, Brown, Gold
620	Blue, Red, Black, Black, Brown
665	Blue, Blue, Green, Black, Brown
750	Violet, Green, Brown, Gold
820	Gray, Red, Brown, Gold
867	Gray, Blue, Violet, Black, Brown
931	White, Orange, Brown, Black, Brown
1000	Brown, Black, Red, Gold
1200	Brown, Red, Red, Gold
1500	Brown, Green, Red, Gold
1870	Brown, Gray, Violet, Brown, Brown
2000	Red, Black, Red, Gold

2700	Red, Violet, Black, Brown, Brown
3000	Orange, Black, Red, Gold
4020	Yellow, Black, Red, Brown, Brown
4700	Yellow, Violet, Red, Gold
5360	Green, Orange, Blue, Brown, Brown
7150	Violet, Brown, Green, Brown, Brown
7500	Violet, Green, Red, Gold
9100	White, Brown, Red, Gold

Vehicle Applications

Vehicle	Polarity	Lock	Unlock	Arm	Disarm
'96 Caravan, Voyager, and Town & Country	(-)	1500 ohm	250 ohm	4,020 ohm	665 ohm
'95 and up Stratus, Cirrus, and Breeze	(+)		1,500 ohm		
'89 and up Probe	(+)		4,700 ohm		
'95 and up Millenia	(-)		1,000 ohm		
'99 Alero and Grand Am	(-)		1,500 ohm		
'98 and up LHS, 300M, Concorde, and Intrepid	(+)	2,700 ohm	620 ohm		