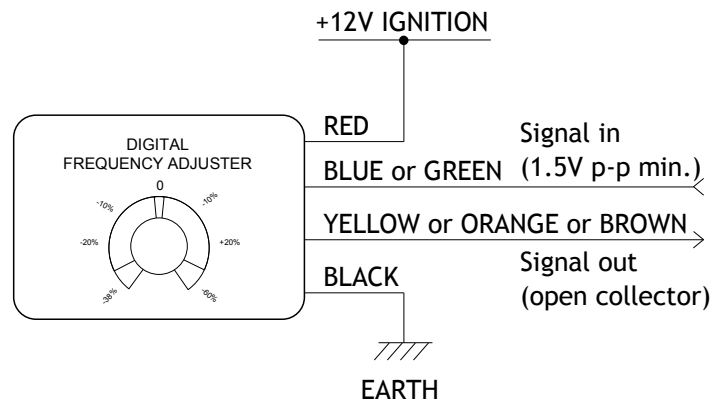




ANYTHING ELECTRONIC (NZ) LTD.

## DIGITAL FREQUENCY ADJUSTER

Part No: DFA-12



### DESCRIPTION

The **DFA-12** allows a digital frequency to be increased or decreased to correct for frequency variations or alterations. The output has a variable adjustment from -27% to +27% in 1% increments, with the center of the adjustment having no change to the frequency.

There is also a fixed frequency change of -38% and +60% at the ends of the adjustment pot.

### INSTALLATION

Cut the digital signal wire that is to be adjusted and connect the **DFA-12** as follows:

INPUT	BLUE	= Input signal into <b>DFA-12</b> from a sensor e.g. inductive pick-up (at least 1.2v p-p square wave, 2.5v p-p sine wave signal in)
	GREEN	= Input signal into <b>DFA-12</b> from an open collector drive signal and has an internal 10Kohm pull-up e.g. hall-effect pick-up
OUTPUT	YELLOW	= Adjusted output signal from <b>DFA-12</b> ( open collector output ) (The output wire may need a resistive "pull-up" to 12V)
	ORANGE	= Adjusted output signal from <b>DFA-12</b> ( square wave driven signal)
	BROWN	= Adjusted output signal from <b>DFA-12</b> ( pulse output )
	RED	= +12V Ignition
	BLACK	= Earth

**NOTE:- Only one input and one output wire will be connected to the vehicle.**

**Different options are given to cover the majority of possible scenarios.**

### ADJUSTMENT

Center position of the adjustment pot. will cause no change to the frequency.

Clockwise rotation of the adjustment pot. will increase the frequency output, compared to the input.

Anti-clockwise rotation of the adjustment pot. will decrease the frequency output, compared to the input.

The variable frequency adjustment will occur in 1% steps, up to a maximum of  $\pm 27\%$ .

At either end of the adjustment pot's range is a fixed frequency decrease and increase.

### APPLICATIONS

Correction of inaccurate speedos.

Correction of speedo readings after alterations to gear ratios or tyre sizes.

MPH to KPH or KPH to MPH adjustments.

Warranty statement on reverse.

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