Transform

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Transform is used to adapt a control voltage. It transforms a signal with a voltage between *Min1* and *Max1* to a signal with a voltage between *Min2* and *Max2*. Any voltage from -10 to +10 volts can be processed.
If input voltage exceeds limits, it will be clipped at set limits. LEDs indicate error states. In case of error “max = min” output signal will be set to 0 volts.

Example 1: An envelope voltage of 0 to 5 volts is to be reversed to 5 to 0 volts.

max 1:	+5.0	max2:	0.0
min 1:	0.0	min2:	+5.0

Example 2: A KEYB voltage should be transposed by a quart (5 halftones = 5/12 = 0.41666 volts = ***min 2***). ***max 1*** has to be reduced by same value in order to ensure equal input and output intervals.

max 1:	+9.58333	max2:	+10.0
min 1:	0.0	min2:	+0.41666

Assumed maximal input voltage. If signal exceeds maximum, it will be clipped.

Input signal, any voltage. (-10 to +10 V).

Assumed minimal input voltage. If signal exceeds minimum, it will be clipped.

LED indicates error “minimum = maximum”.

LED indicates input signal clipping at maximum.

LED indicates input signal clipping at minimum.

Desired maximum output voltage.

Processed ***CV in*** voltage.

Desired minimum output voltage.

LED indicates error “minimum = maximum”.