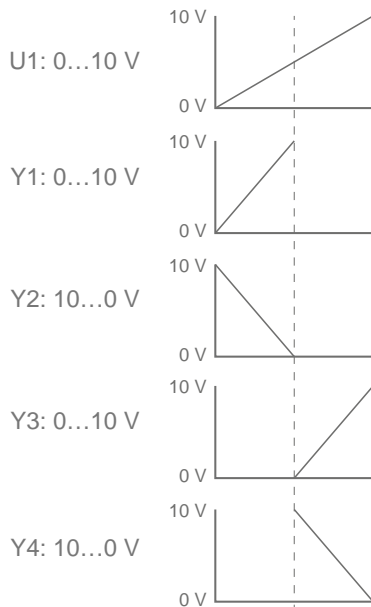


## ANALOGUE 2-STEP UNIT PYR 4

Analogue 2-step unit PYR 4 converts one 1-step (0...10 V) signal into two 2-step (0...10 V) signals. Both analogue steps have their own wiring terminals for direct and reverse acting applications.



### Limiting the signal

In addition to step conversion, PYR 4 can be used as a signal limiting unit. This feature allows the adjustment of the limited signal's minimum and maximum voltage output level. The signal to be limited is connected to the limiting input (U2), where it is compared to the set point (potentiometer adjustment 0...10 V). The higher one of the signals is sent to the Y5 output and the lower one to the Y6 output. The brightness of the LEDs indicates the magnitude of the limited signal.



### Technical data:

Supply	24 Vac, 2 VA
Input	0...10 Vdc
Outputs	0...10 Vdc, 10 mA
Set point	0...100 %, 0...10 V
Dimensions (w x h x d)	35 x 79 x 95 mm

### Wiring:

10	(G)	24 Vac, supply voltage
2	(Go)	0 Vac
11	(U1)	input 0...10 V (signal for conversion)
4	(Y1)	(in 0...5 V) = output 0...10 V
5	(Y2)	(in 0...5 V) = output 10...0 V
6	(Y3)	(in 5...10 V) = output 0...10 V
7	(Y4)	(in 5...10 V) = output 10...0 V
8	(U2)	output, signal for limitation 0...10 V
3	(Y5)	output, higher compared signal
9	(Y6)	output, lower compared signal

### Ordering guide:

Model	Product number	Description
PYR 4	1182130	2-step / limiting unit

Products fulfill the requirements of directive 2004/108/EC and are in accordance with the standards EN61000-6-3: 2001 (Emission) and EN61000-6-2: 2001 (Immunity).