RWP: Reversing relay

Areas of application
Reversing the direction of operation of a pneumatic signal in pneumatic control systems.

Features
- Reversing signal direction
- Minimum and/or maximum limiting of pneumatic pressure signals
- Controller front panel is printed with circuit diagram for rapid identification of function
- Reversible control action
- Thermoplastic housing suitable for wall or top-hat rail mounting
- Compressed air connections with Rp $1/8$" female thread
- Complies with directive 97/23/EC Art. 3.3 on pressure equipment

Technical description
- Supply pressure 1.3 bar $\pm$ 0.1
- Two input signals for:
    - minimum limiting
    - maximum limiting
- One output signal

Type	Description	Air output	Air consumption	Weight kg
RWP 80 F001	reversal of control action	400 l_n/h	33 l_n/h	0,15

Supply pressure [1]	1,3 bar $\pm$ 0,1	Permissible amb. temp.		0...55 °C
Input pressure	0...1,4 bar			
Output pressure	0...1,4 bar	Connection diagram		A02891
		Dimension drawing		M297107
		Fitting instructions		MV 3251

Accessories
0296936 000* Fixing bracket for rail EN 60715, 35 × 7,5 and 35 × 15
0297113 000* Manometer bracket for fitting two XMP manometers; includes kit; MV 3255
0297091 000* Cover for spare apertures (for manometers), when 0297113 is used

*)   Dimension drawing or wiring diagram are available under the same number
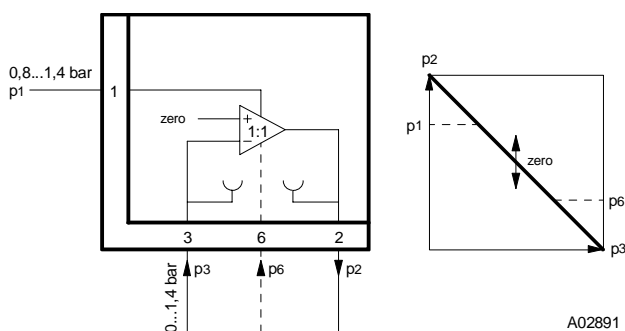
[1]   See Section 60 on regulations concerning the quality of supply air, especially at low ambient temperatures
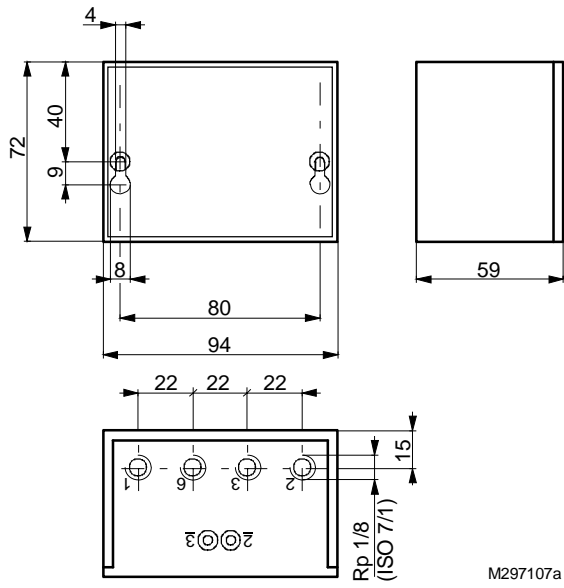
Operation
When the input pressure is rising, the output pressure falls; conversely, falling input pressure produces rising output pressure. Variable pressures can also be applied to connections 1 and 6; this provides limitation of the output pressure.
Connection 1 is for maximum limitation (0,8 to 1,4 bar) and/or connection 6 is for minimum limitation (0 to 1,4 bar). The output pressure is then prevented from ever exceeding the pressure at connection 1, and will never be lower than the pressure at connection 6.
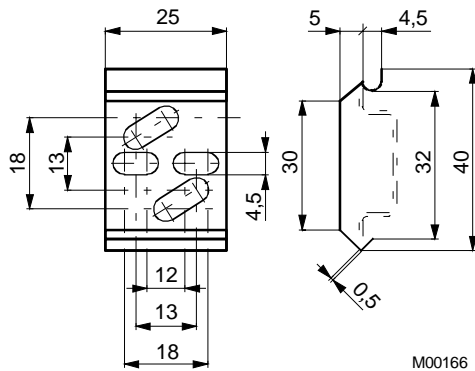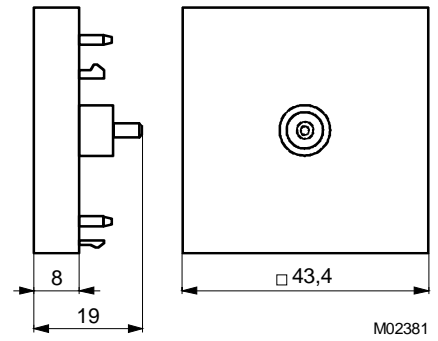
Connection diagram

A02891

Dimension drawing

4
40
72
9
8
80
94

59

22 22 22

15

Rp 1/8
(ISO 7/1)

M297107a

Accessories

296936

25

5   4,5

18
13

30
32
40

4,5

12

13

18

0,5

M00166

297091

8
19

□ 43,4

M02381

297113

94

56,5

3   2
43,4

M02382

Sauter Components