

# Installation guide

## Pressure switch

### Types RT 5, RT 110, RT 116, RT 200

017R9314

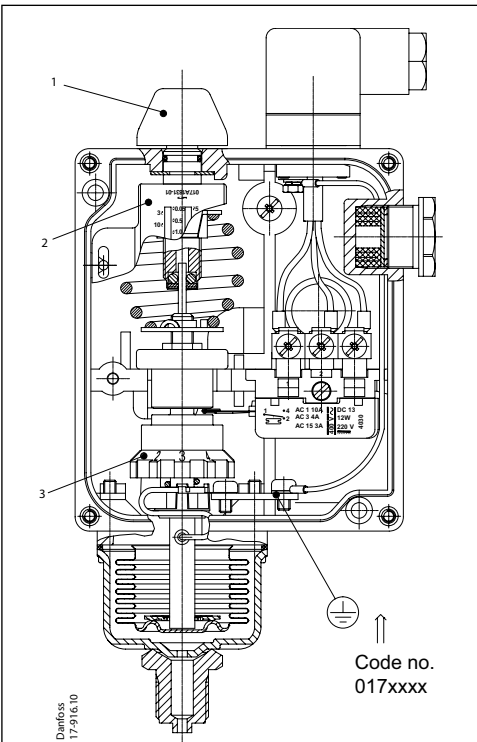


Fig. 1

	1	2	3	4	5	6	7	8	9	10	
RT 5	1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0			bar
RT 110	0.08	0.11	0.14	0.17	0.20	0.23	0.25				bar
RT 116	0.5	0.5	0.7	0.9	1.1	1.3					bar
RT 200	0.25	0.4	0.6	0.8	1.0	1.2					bar

Min. 1 2 3 4 5 6 7 8 9 10 Max.

Fig. 2

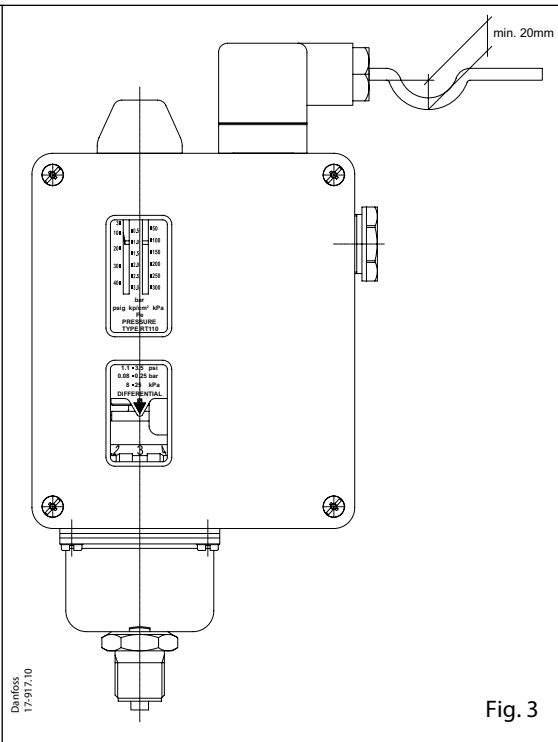


Fig. 3

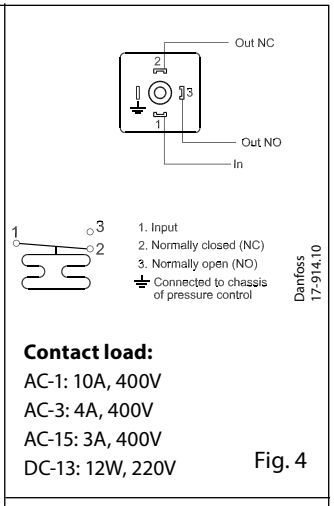


Fig. 4

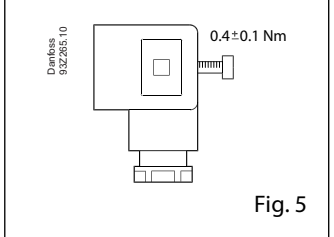


Fig. 5

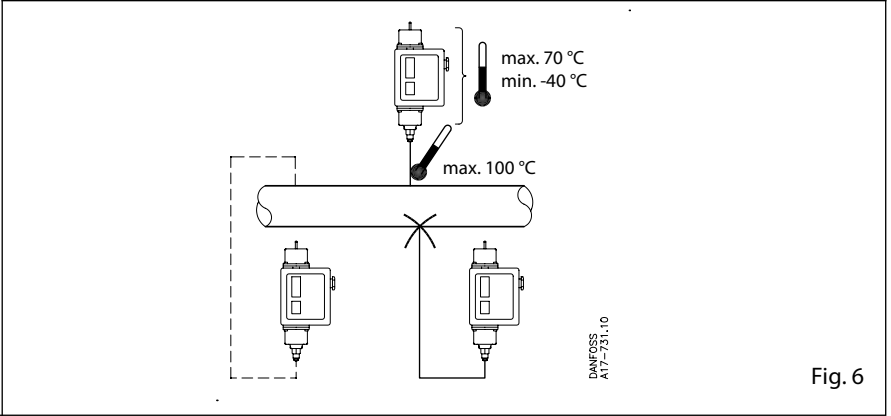


Fig. 6

#### ENGLISH

**Data**  
**Pressure switches types RT 5, RT 110, RT 116, RT 200**  
**Max. test pressure**  
 RT 110: 8 bar  
 RT 5, RT 116, RT 200: 25 bar

**Fitting**  
 Damp out strong pressure pulsations. A damping coil will often be sufficient. Insert a water-filled tube loop as a temperature lock (e.g. a 10 mm Cu tube) if at high plant temperatures there is a risk that the pressure connection of the switch will become heated to more than 150 °C. Position the pressure control so that on water plant it cannot be exposed to frost.

It can operate on an air cushion, for example. To assure IP65 grade of RT enclosure, it is necessary to assemble the plug shown in the fig. 5.

**Setting**  
 To set a pressure switch, the seal cap (1) must be removed and the range setting screw must be rotated, at the same time reading the main scale (2), see fig. 1. The differential is set by rotating the differential adjusting nut (3) to the value indicated by the use of the nomogram in fig. 2. The maximum operating pressure is thus the sum of the setting pressure and the differential.

**Example**  
 It is desired to control the pressure in an oilfired steam boiler by the use of an RT 116.  
 Maximum pressure 9 bar.  
 Minimum pressure 8.2 bar.  
 Differential 9 - 8.2 = 0.8 bar.  
 1. Connect the oil burner to terminals 1-2 of the pressure switch.  
 2. Set the pressure switch for 8.2 bar by rotating the range setting screw.  
 3. Set the differential adjusting nut (3) at the digit 6 which is found by reading the nomogram in fig. 2.