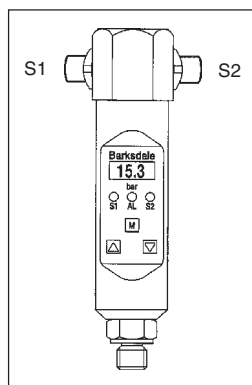


## Electrical connections plug 2 for interface

Plug M 12 x 1, 5-pin	Model with RS232 (V24) interface	Model with Profibus-DP interface
Pin 1	RXD	VP
Pin 2	TXD	DAT_A
Pin 3	GND	DGND
Pin 4	- - -	DAT_B
Pin 5	- - -	Screen



### Operation:

The pressure switch should be installed and operated only by authorized persons.

After being switched on the UDS 7 runs through a self-test. The device is menu operated and configured with three keys on the front.

With the „M“ key (= mode) you change between the dialog values and the adjusted / actual values. With the keys „▲“ = up and „▼“ = down you change between the dialog values in the menu or change the values / functions in the menus (see below: „List of functions“).

If the dialog is not continued within two minutes the device automatically returns to the measuring mode.

When the programming lock is entered, „LOCK“ appears in the display when an attempt is made to change values.

### Programming:

The setting menu is activated with the **mode** key. The dialog items are selected with the „▲“ and „▼“ keys. If the mode key is pressed again the corresponding value for the dialog item is shown and can be altered with the „▲“ and „▼“ keys. If the dialog with the unit is not continued within two minutes the device auto-matically returns to the measuring mode without accepting the new values.

To terminate programming more quickly, you can switch back to the measuring mode (primary menu) from any item in the menu by holding the M-key pressed for five seconds.

If the programming lock has been activated, the values can be shown, but no changes made, i.e. when Level 0 is active („LOCK“ appears in the display when an attempt is made to change values).

# Barksdale

CONTROL PRODUCTS

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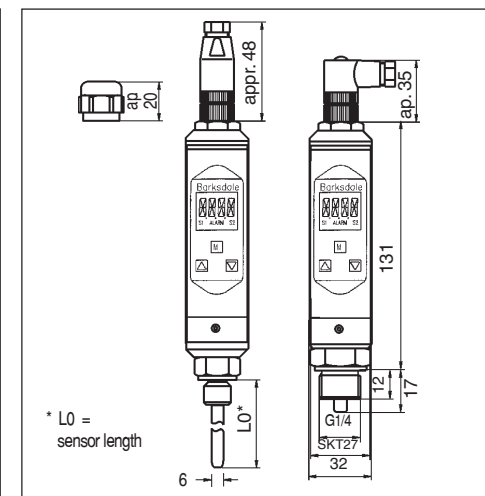
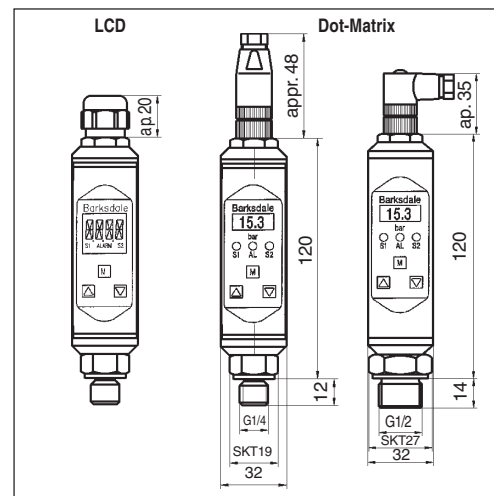
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Software version: V7.X  
Specifications are subject to  
changes without notice.

## Operating Instructions Dual Pressure Switch UDS and Dual Temperature Switch UTS 7

Dimensions (in mm)

UDS 7

UTS 7



## 1. Product description

### Intended Applications

- The dual pressure switch is a device to monitor system pressure and has up to two switching outputs and one analog output.
- The dual temperature switch is a device to monitor the media temperature where the sensor is placed and has up to two switching outputs and one analog output.
- The instruments must only be installed in systems where the maximum pressure Pmax or the maximum temperature Tmax is not exceeded (according to the values on the type label).
- **Attention:** This device is not designed to be used as the only safety relevant element in pressurized systems according PED 97/23/EC.

## 2. Starting operations

### Only assemble or disassemble the device when depressurized!

#### Connecting the switch

- Mount the pressure switch from bottom to the fitting with a wrench hex 19 (1/4“) resp. hex 22 with 45 Nm torque.
- Electrical connection depends on the type of pressure switch (see type label) according to the chart below (connection chart plug 2 for interface see page 4).
- When display is adjusted (rotatable version only) the unit has to be fixed at the front side with an allen screw and and allen key 1,5 mm (torque = 3 Nm).

### Electrical connections plug 1 (standard) and power supply

Plug M 12 x 1 4-pin / 5-pin	PG9 with cable LiYY11Y 4 / 5x0,25mm <sup>2</sup>	Model with 1 switching output	Model with 2 switching outputs	Model with 1 switching output and 1 analog output	Model with 2 switching outputs and 1 analog output
Pin 1	brown	+Ub 18...32 V DC	+Ub 18...32 V DC	+Ub 18...32 V DC	+Ub 18...32 V DC
Pin 2	white	-	SP2 0,5 A max.	analog 4...20 mA/ 0...10 V DC	analog 4...20 mA/ 0...10 V DC
Pin 3	blue	0 V	0 V	0 V	0 V
Pin 4	black	SP1 0,5 A max.	SP1 0,5 A max.	SP1 0,5 A max.	SP1 0,5 A max.
Pin 5	grey	-	-	-	SP2 0,5 A max.

