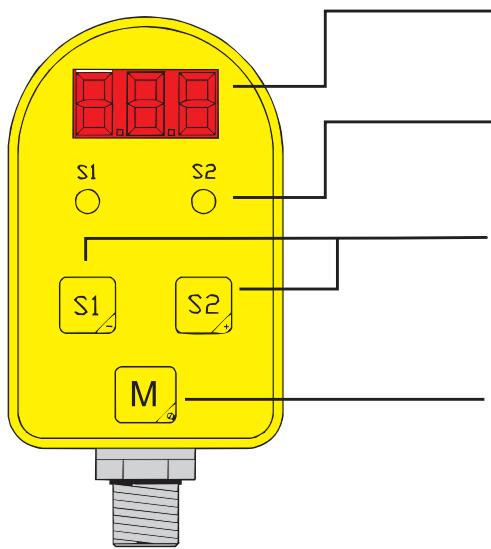


Operating and Display Elements

Operating and display elements for call-up of programmed parameters



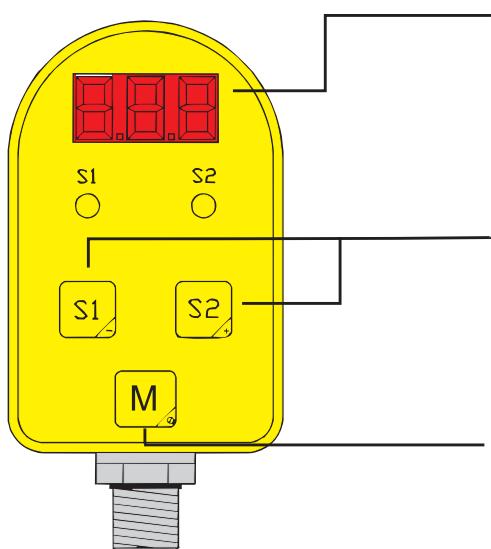
7-segment display, 3 digits.
Indicates relative temperature.

LED indications for switch points S1 and S2.
The LED illuminates yellow if output S1 or S2 are active.

Buttons S1/(-) and S2/mA(+) set switch points S1 and S2/ the analog output. The display will return to the measuring-value monitoring mode in approximately 3 seconds.

Button M selects the required parameter.
After 2 s, the selected value displays for 2 s. Then the display returns to the measuring- value monitoring mode. If the window/hysteresis function is selected, first parameter Fu1/Fu, then Fu2 are displayed. After 2 s, the active function is indicated (window = CO;

Operating and display elements in the programming mode



7-segment display with 3 digits for monitoring of individual menu items, i.e. main and sub-menus and programming values.

Buttons S1/(-) and S2/mA(+) switch between sub-menus and set the parameters. S1/(-) decreases the value, S2/mA(+) increases the value. Programming is initiated by pressing both buttons simultaneously for 3 seconds at which time the display will start flashing. To reset the MIN or MAX memory in programming mode, use either button S1/(-) or S2/mA(+). If power is removed from the sensor, MIN and MAX will automatically be reset.

Button M selects the required parameter within the main menu. The parameter can be saved after each step by pressing the button for 3 seconds. At this time the display will stop flashing and the actual measuring value will be indicated.

Note: The analog version S2(+) push button is labeled mA(+).

TC01-G1/2 A4P-2AP8X-H1140

Parameter Programming and Call-up

Parameter Setting (displayed sequentially): Parameters and values are selected via the M and S buttons:

M: Use to select parameters in the main menu.

S1/- and S2/+: Use to select sub-menu parameters and values.

Sub-menu (hysteresis/window function)

The display of the sub-menu changes depending on whether the window or hysteresis function modes are selected. Use the S1/- and S2/+ buttons to choose the respective modes.

If the window function **CO** is selected for switching output 1 or 2, the display shows **FR1** or **FR2** a few steps later. The width of the window is determined by the value that was just set.

If the hysteresis function **HYS** is selected for output 1 or 2, **HS1** or **HS2** will be displayed. The adjusted values determine the differential between the switch-on and switch-off value.

START (press button S1/- and S2/+ simultaneously for 3 seconds). At this time the menu will begin flashing.

Menu item	Main menu	Sub-menu	Value range
Function 1	FU1		
window function 1		[CO]	
hysteresis 1		[HYS]	
Function 2	FU2		
window function 2		[CO]	
hysteresis 2		[HYS]	
Switch point 1	SP1		-39° - +120°C (-39° - +248°F)
Switch point 2	SP2		-39° - +120°C (-39° - +248°F)
Window 1	FR1		0.5° - +99.5°C (-1.0° - +179°F)
hysteresis 1	HS1		0.5° - +99.5°C (-1.0° - +179°F)
Window 2	FR2		0.5° - +99.5°C (-1.0° - +179°F)
hysteresis 2	HS2		0.5° - +99.5°C (-1.0° - +179°F)
Switch-on delay 1	DS1		0 - 50
Switch-on delay 2	DS2		0 - 50
Switch-off delay 1	DR1		0 - 50
Switch-off delay 2	DR2		0 - 50
Switching output 1	OU1		
PNP N.C.		[NC]	
PNP N.O.		[NO]	
Switching output 2	OU2		
PNP N.C.		[NC]	
PNP N.O.		[NO]	
MAX value (high)	HI		Reset MAX: [S1/-] / [S2/+]
MIN value (low)	LO		Reset MAX: [S1/-] / [S2/+]
Unit °F / °C	UNI		
		[°C]	
		[°F]	

Save (exit) Press button M for 3 seconds