



Teddington

Teddington DBG / SB obsolete

From Q1 2018

NEW

With thermowell



Without thermowell



Code/adjustment range	Sensor temperature limits (°C)	Adjustment range (°C)	Hysteresis (°C)* for micro switch			
			H, GH	M, GM	S	G (RD)
						2.8...manual
201	-73 ... +121	-45... +24	0.5... 1.6	1.7... 3.3	3.3... 11.2	
202	-73 ... +121	-9... +60	0.5... 1.6	1.7... 3.3	3.3... 11.2	
203	-73 ... +121	+24... +93	0.5... 1.6	1.7... 3.3	3.3... 11.2	
204	-73 ... +121	-45... +93	0.5... 1.6	1.7... 3.3	3.3... 11.2	
351	-73 ... +205	+38... +107	0.5... 1.6	1.7... 3.3	3.3... 11.2	
354	-73 ... +205	+38... +177	0.5... 1.6	1.7... 3.3	3.3... 11.2	
454	-18 ... +260	+66... +232	1.6... 3.3	3.3... 5.0	5.5... 16.8	

Micro switch	Special features	Volt AC 50/60 Hz	Ind. Load A	Res.load A	Volt DC	Ind load A	Res. Load A	Comments
H	Micro switch with silver contacts	125 250 480	10 10 3	10 10 3	6 to 28	0.50	0.5	Small hysteresis; High AC / low DC loads
M	Micro switch with silver contacts	125 250 480	10 10 3	10 10 3	12 24 250	5.00 1.00 0.25	15.0 2.0 0.4	Medium hysteresis; High AC and DC loads
GH	Micro switch with gold contacts for low voltage and low current	125	1	1	24	1.00	1.00	Small hysteresis
GM		30	0.1	0.1	30	0.10	0.1	Medium hysteresis
S	Micro switch with silver contacts	480	15	15	125	0.05	0.4	Adjustable hysteresis
G	Micro switch with silver contacts	480	10	10	125	0.4	0.75	Manual reset (RD)

Model	Range °C	Diff °C nominal	Max Temperature °C	Stem L x φ	Max external bulb pressure
SB1	40 – 110	6	127	62mm x 12.7mm	14 bar
SB2	90 – 150	6	170		
SB3	120 – 200	6	231		
SB4	150 – 240	6	262		
SB5	15 - 60	4	105		

Volts	DC Amps		AC Amps	
	Res	Ind	Volts	Res
12	15	15	12	15
24	10	10	24	10
125	0.5	0.05	125	0.5
250	0.25	0.03	250	0.25

Replacement part number and pricing

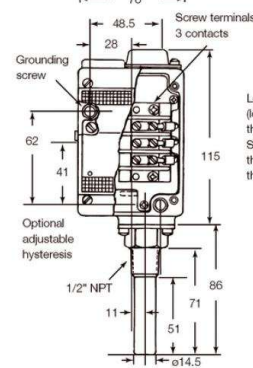
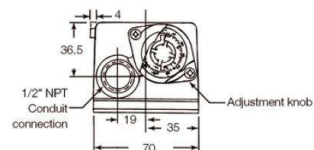
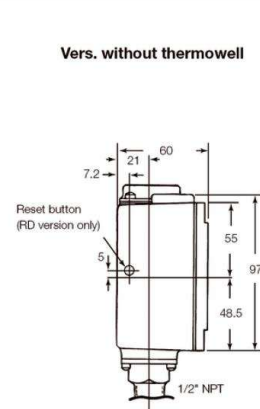
TEDDINGTON	Info Barksdale , WITH Thermowell	New part no
DBG/SB/1	38-107°C, 3/4 NPT process connection, copper thermowell, copper sensor	50-ML1H-SB1-W
DBG/SB/2	38-177°C, 3/4 NPT process connection, copper thermowell, copper sensor	50-ML1H-SB2-W
DBG/SB/3	66-232°C, 3/4 NPT process connection, copper thermowell, copper sensor	50-ML1H-SB3-W
DBG/SB/4	66-232°C, 3/4 NPT process connection, copper thermowell, copper sensor	50-ML1H-SB4-W
DBG/SB/5	9...60°C, 3/4 NPT process connection, copper steel thermowell, copper sensor	50-ML1H-SB5-W
TEDDINGTON	Info Barksdale , WITHOUT Thermowell	New part no
DBG/SB/1	38-107°C, 1/2 NPT copper process connection, copper sensor	50-ML1H-SB1
DBG/SB/2	38-177°C, 1/2 NPT copper process connection, copper sensor	50-ML1H-SB2
DBG/SB/3	66-232°C, 1/2 NPT copper process connection, copper sensor	50-ML1H-SB3
DBG/SB/4	66-232°C, 1/2 NPT copper process connection, copper sensor	50-ML1H-SB4
DBG/SB/5	9...60°C, 1/2 NPT copper process connection, copper sensor	50-ML1H-SB5



- Alt 1: Process connection 3/4 NPT Thermowell in copper
 - Alt 2: Process connection 1/2 NPT without thermowell
 - High AC and DC loads
 - Easy set point adjustment knob
 - Temperature range -45...+232°C
 - Protection class IP65
- Weight approx 1,0 kg

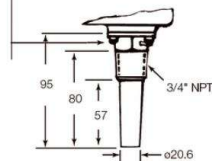
NEW

Vers. without thermowell



Vers. with thermowell

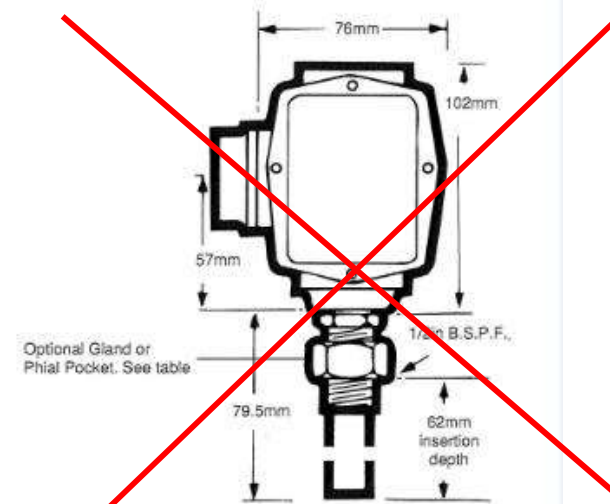
Locking screw
(locks unit with
thermowell)
Switch can be rotated
through 360° in the
thermowell.



Contacts: color code and function

C = Common = purple
NC = Normally Closed Contact = blue
NO = Normally Open Contact = red

Temperature Models



BM SB