Operating instructions **baelz 22-PT, baelz 22-NTC 3.2**

Room temperature sensor
baelz 22-PT, baelz 22-NTC 3.2

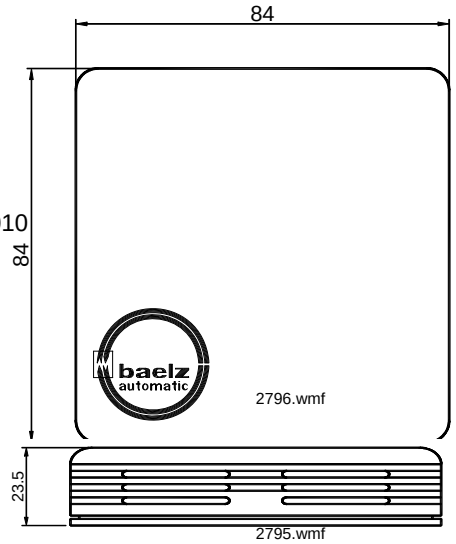
Room temperature sensor baelz 22-PT and baelz 22-NTC 3.2

Application

The Room operating panel is designed for temperature detection and integrated manual control of HVAC applications.
The operating functions can be used very flexible depending on the room requirements.
The room temperature sensors are usable with controllers like baelz 64xx with PT- sensor, baelz 6164 and baelz 62xx with PT- and NTC sensor.

Mounting advices

The devices are supplied in an operational status. Installation is made by means of rawl plugs and screws (accessory) to the smooth wall surface.
For wiring, the snap-on lid must be separated from the base plate.
Solar radiation and draught should be avoided.
If the device is mounted on standard flush box, the end of the installation tube In the flush box must be sealed, so to avoid any draught in the tube falsifying the measuring result.



Technical data

		PT100	NTC 3.2
Temperature limits		-35...+70°C	0 +60°C
Enclosure		ABS, Protection: IP20	ABS, Protection: IP20
Colour		pure white, sim. to RAL9010	pure white, sim. to RAL9010
Measuring element		PT100	NTC 3.2
Potentiometer	(P)*	5kΩ / 0,25W	
Rotary switch	(S)*	max 5 VA, 60V AC	
LED	(L)*	Uv=24V (incl. Rv 3,9k)	
Pushbutton	(T)*	max. 35V=, 10mA	

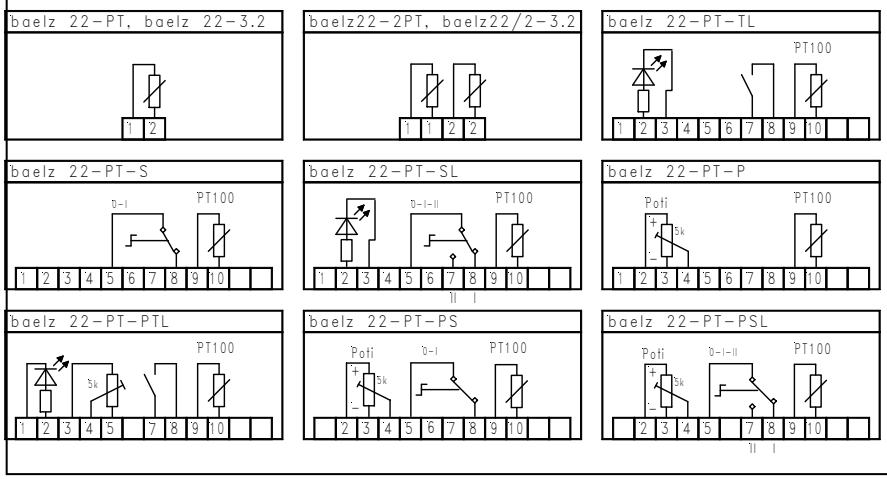
***optional**

Room temperature sensor with additional functional keys:
baelz 22-PT-TL, baelz 22-PT-S, baelz 22-PT-SL, baelz 22-PT-P,
baelz 22-PT-PTL, baelz 22-PT-PS, baelz 22-PT-PSL

Coherence between temperature and resistance:

Temp. In°C	-40	-20	-10	0,0	10	20	30	40	50	60	70	80	90	100	140
PT100 In Ω	84,27	92,16	96,09	100,0	103,9	107,79	111,67	115,54	119,4	123,24	127,07	130,89	134,7	138,5	153,58
NTC 3.2 In Ω				2793	2000	1437	1043	768	576	440					

Elektrical connection



W. Bälz & Sohn GmbH & Co. Koepffstrasse 5 74076 Heilbronn Germany
Telephone +49 (0)7131 1500 0 Telefax +49 (0)7131 1500 21 www.baelz.de mail@baelz.de