

# SIEMENS

## HVAC Products



## RAK-T<sup>®</sup>, RAK-S<sup>®</sup>, RAZ-T<sup>®</sup>, RAZ-S<sup>®</sup>, New range of immersion thermostats.

Immersion thermostats RAK-T<sup>®</sup>, RAK-S<sup>®</sup>,  
RAZ-T<sup>®</sup>, RAZ-S<sup>®</sup>:

- outstanding price and performance
- small housing to aid replacement of old units
- internal & external set-point options
- push reset (accessible without removing cover)
- clear temperature scale & viewing window
- universal mounting options
- CE, ENEC approved

The new compact range of immersion thermostats from Siemens HVAC Products covers the main applications and give outstanding price/performance ratio. Universal mounting is provided by delivering both a pocket and a strap in one package (with some thermostat types - see reverse). The new range offers special design details for easy installation and use.

There are four types of thermostats: control thermostat (TR), thermal reset limit thermostat (TW), limit thermostat (TB) and safety limit thermostat (STB). The range includes both single (RAK-T® and RAK-S®) and double (RAZ-T® and RAZ-S®) thermostats, all having protection class IP43.

# Overview of the new immersion thermostat range for heating applications:-

## RAK-T®, RAK-S®, RAZ-T®, RAZ-S®.

A pocket of 100mm, PN10 is standard but pockets with other lengths, PN16 material and other accessories are available (see data sheet CE1N1193en).

Type reference to be ordered



RAK-TR.1000B

RAK-TW.1000B

RAK-TW.1200B



RAK-TW.5000S

RAK-ST.010FP

RAK-ST.020FP

RAK-ST.030FP

RAK-ST.1300P



RAK-TB.1410B

RAZ TW.1000P



RAZ-ST.010FP

RAZ-ST.020FP

RAZ-ST.030FP

RAZ-ST.1500P

	DATA SHEET						APPLICATION						FUNCTION				DESIGN				C/W*		TECHNICAL DATA								
	CE1N1186en	CE1N1187en	CE1N1188en	CE1N1189en	CE1N1190en	CE1N1191en	CE1N1192en	Temperature control	Temperature limitation	Frost protection	Air conditioning	Heating boilers	Domestic hot water heating	Heat exchangers	Control thermostat (TR)	Thermal reset limit therm. (TW)	Safety limit thermostat (STB)	Limit thermostat (TB)	Mounting on pipes (strap)	Mounting in a pocket (immersion)	Wall mounting (screws)	Single pole double throw (S.P.D.T)	Dimensions L:131, W:52, H:64	Dimensions L:131, W:102, H:64	Pocket 100mm for PN10	Strap 330mm in package	Setpoint setting range (°C)	Setpoint cutout temp. (°C)	Thermal switching diff. (°C)	Capillary length (mm)	
RAK-TR.1000B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	15..95		7±1	700
RAK-TW.1000B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	15..95		7±1	700
RAK-TW.1200B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	40..120		7±1	700
RAK-TW.5000S	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	65..5		7±1	1600
RAK-ST.010FP	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		95		700
RAK-ST.020FP	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		100		700
RAK-ST.030FP	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		110		700
RAK-ST.1300P	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		120..130		700
RAK-TB.1410B	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		50..70		700
RAZ TW.1000P	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	15..95		7±1	700
RAZ-ST.010FP	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	15..95	95	TR: 7±1	700
RAZ-ST.020FP	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	15..95	100	TR: 7±1	700
RAZ-ST.030FP	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	15..95	110	TR: 7±1	700
RAZ-ST.1500P	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	40..120	120..130	TR: 7±1	700

Current rating: TR & TW: 0.1..10 (2.5)/6 (2.5) A  
 Current rating: TB & STB: 0.1..10 (2.5)/0.5 A  
 Voltage rating: AC 24..250 V

\*Complete with

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Subject to technical alteration

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