

temperature sensors



pipe mounting sensor
ANF 99

duct sensors
KTF 99 / 135, 240, 392

cable sensors
LTF 02 - 1m / 3m

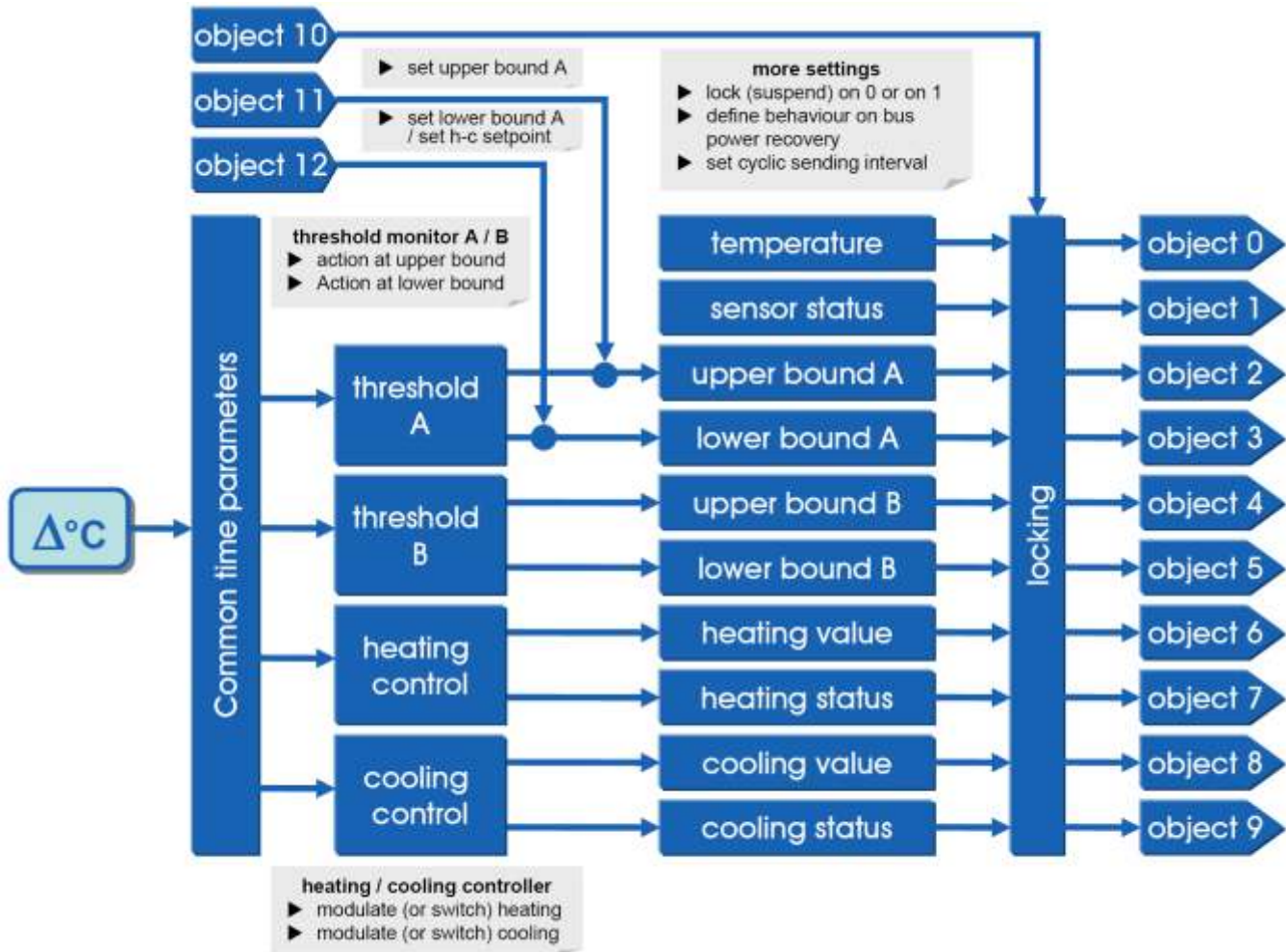
indoor sensor
RTF 99

damp environment sensor
FRF99

temperature sensors

The sensors of the DIGITEMP series measure temperature values for Heating, Ventilation and Air-Conditioning applications. Typical examples are air intake (fresh air) and exhaust ducts, heating supply and return water temperatures and similar, as well as temperatures in rooms and buildings, both in- and outside, like living quarters or storage depots. Our solutions comprise a damp environment sensor, contact sensor, room temperature sensor, a channel or duct sensor and a pipe mounting sensor. Covering the wide range of -55 ... +125° C, they readily capture temperature values for building control applications and can send this value on the bus. Connection

to the bus is achieved with the standard KNX / EIB connectors inside the housing. In addition to a constant action controller the digitemp devices provide 2 higher and 2 lower bound thresholds, which can be used individually or as two 2-step controllers. These thresholds can trigger switching actions (telegrams) on the bus. The group A threshold values and the setpoint value (in controller mode) can be set or modified directly via (group) telegrams on the bus. Optionally a live check (sensor status) report is transmitted cyclically during correct operation of the sensor.



DIGITEMP application schematic showing KNX / EIB object interface

technical specifications

group addresses:	up to 13	width x height x depth:	58 x 80 x 45 mm
temperature range:	-55°C ... 125 °C	RTF99:	85 x 85 x 25 mm
precision:	1 K	options:	indoor sensor
resolution:	0.08 K		outdoor sensor
power supply:	29V DC EIB		cable sensor (1m-3m cable length)
protection class:	IP 65 (RTF99: IP 20)		pipe mounting sensor
			duct sensor (135 / 240 / 392 mm)

datasheet digitemp/E/080131

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