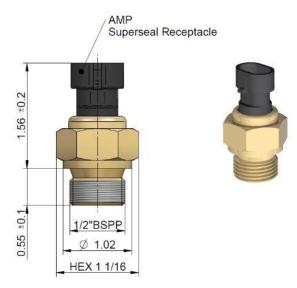
## temperature sensor

The temperature sensor requires a control unit for the control system which is available in 12V (ILLZTC12-2KU00) and 24V (ILLZTC24-2KU00). The fan speed varies according to the actual oil temperature on the sensor. This reduces the noise level of the cooler system and increases the durability of the fan motor, because it is not running on the maximum speed all the time. The start up temperature of this system is 111°F and the maximum rotation of the fan is applied when the oil temperature reaches 131°F.





- NTC sensing
  - IP 69K protection
- compact design

### **Technical Data**

order number	description	connection	protection	weight
				[lbs]
ILLZTT5069KU00	temperature sensor ½" BSPP	AMP superseal 1.5	IP 69K	0.20

### **Characteristics**

screw part material	brass	
mounting instructions	any mounting position	
maximum tightening torque	36.8 lb <sub>f</sub> ft (50Nm)	
coment Output		

# Measurement Output

connection	AMP superseal 1.5

### **Ambient Conditions**

oil temperature range	-4°F to +212°F
ambient temperature range	-4°F to +185°F
storage temperature range	-76°F to 230°F

### **Required Accessories**

temperature control unit 12V DC	ILLZTC12-2KU00 (page 33)
temperature control unit 24V DC	ILLZTC24-2KU00 (page 33)

### **Combinations**

12V and 24V DC coolers	LL03, LL 04, LL 06, LL08 / TT 05 - 25 rail /
	ASA 0177 – 0367

This data sheet and the corresponding scale drawings are to be used as a general guideline and technical overview of our products. Please contact us if more exact information is needed. As we are constantly improving our products, their characteristics, dimensions and weights may also change, although we do our best to incorporate these changes continually, as a assumes no liability for any information therein, any errors, omissions, misprints, nor any direct or indirect damages, losses or costs resulting therefrom. Any cooling performances and general technical values indicated in this catalogue are measured at a test bench according to asa testing procedures or calculated, based on such tests. They represent a basis for your product selection. Due to different conditions in testing and application environments the performance may also vary by +1-158. All sound values are determined in accordance with ISO 9614-2, DIN EN ISO 11203 accuracy class 3 or Machinery Directive 2006/42/EG and are A-rated. At some of the performance data, possible differences to competition data are possible. The reason to that are no existing standardized testing procedures on individual subjects, e.g., for cooling performance measurements. Therefore, we recommend all products to be checked under the system operating conditions. This is also true of vibrations and mechanical stress as as well as for pressure peaks and thermal stress and any other relevant factors. General tolerances according to DIN ISO 2768-44. General tolerances for casted parts according EN ISO 8002-3 (DCTG 10). Tolerances for rubber parts are according to ISO 3302-1 (class M4-FeC). The tolerances of welding seams are defined by quality group D according to RN ISO 15004. If it is not specified on the actual scale drawing or data sheet. Any form of liability is excluded for the information included in this datasheet. All details and calculation values are checked to the best of our ability, but these do not ensure any intrinsic product properties: due to the wide-ran