



The PH-120 fire detector is designed to trigger an alarm when the ambient temperature of the sensor is above 120 ° C. The control electronics in the car evaluate two PH-120C temperature sensors located in the engine part of the car. The electronics indicate an increase in temperature in motor intermittent switching of the external piezo siren and the dashboard on the driver's dashboard. The fire detector will no longer signal an increase in temperature until the temperature drops below 115 ° C and disconnects the power supply (s). If the vehicle does not have switches on, the electronics do not detect the temperature exceeded (the lamp is off).

Electronics testing: short the wires from the temperature sensor (blue and green / yellow). The unit will start to signal temperature overheat. Do not short-circuit the conductor brown and (blue, green / yellow) !!!

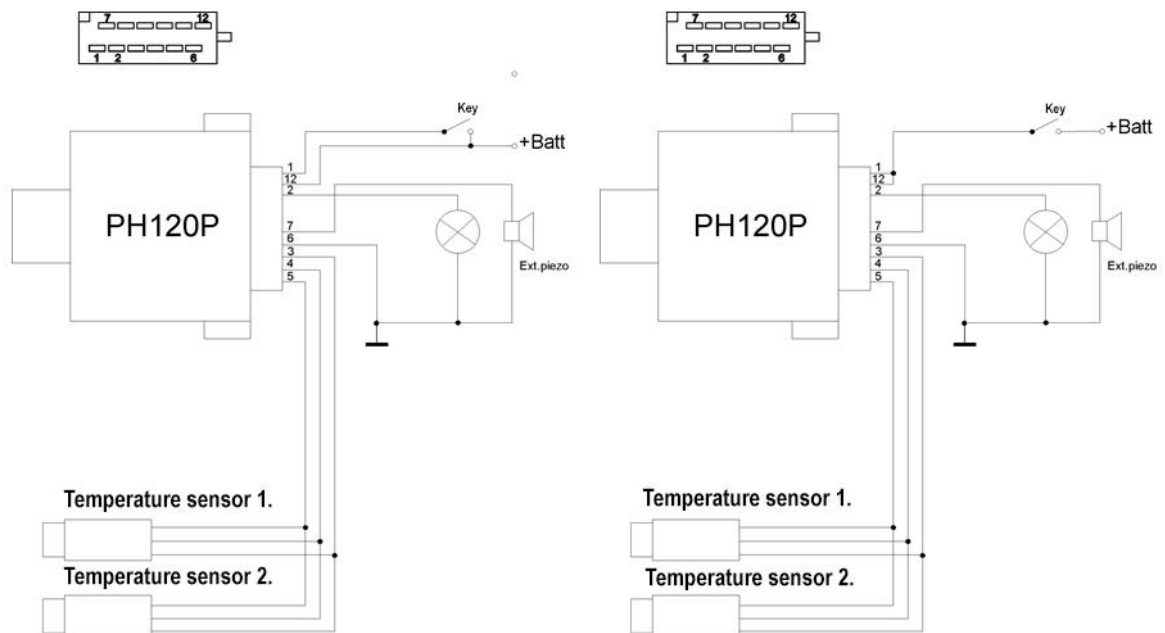
Characteristic data:

Symbol	Parameter	Size			Value
		min.	nom.	max.	
Ucc	Power voltage	18		32	V
Ukey	Input Key	18		Ucc	V
Usensor	Temperature sensor input	0		5	V
Icc	Supply current 1)	6		10	mA
T	Operating temperature of the electronics	-40		85	°C
Iout	Output current to indicator and piezo ext. 3)			1	A
T	Sensor operating temperature	-55		150	°C
Thyst	Sensor hysteresis		2		°C
Tout	Temperature for switching signaling	116	120	124	°C

1) The electronics do not signal the temperature overrun

2) Protection of IP66 sensors

3) Electronically limited to 5A



Electronics connection:

- 1 Keys
- 2 Output for indicator
- 3 + Supply temperature sensor
- 4 Input from the temperature sensor
- 5 GROUND temperature sensor
- 6 GROUND electronics
- 7 Output to external piezo siren
- 12 Power supply electronics (possible to connect to the input of the sprocket)

Sensor connection (sensors are connected in parallel):

Wire colors in sensor cable

- Brown + Supply temperature sensor
- Blue GROUND temperature sensor
- Green/Yellow Temperature sensor output