



Warning Beacon with Sounder

# HTT

Product code: PW-131-A

-  Reliability
-  Integrity
-  Innovations



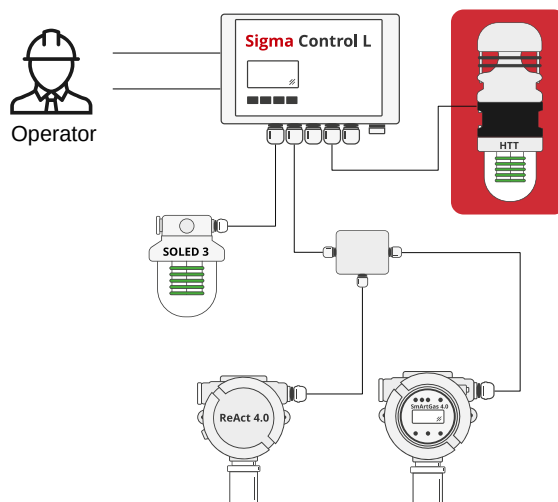
## Information about the product

HTT is the most advanced signaling device offered by Atest Gaz. The device has an acoustic and optical module and is also designed to work in the hazardous locations (explosion hazard zones / Ex). The device allows personalized configuration tailored to the needs of demanding customers and with consideration to specific features of target markets.

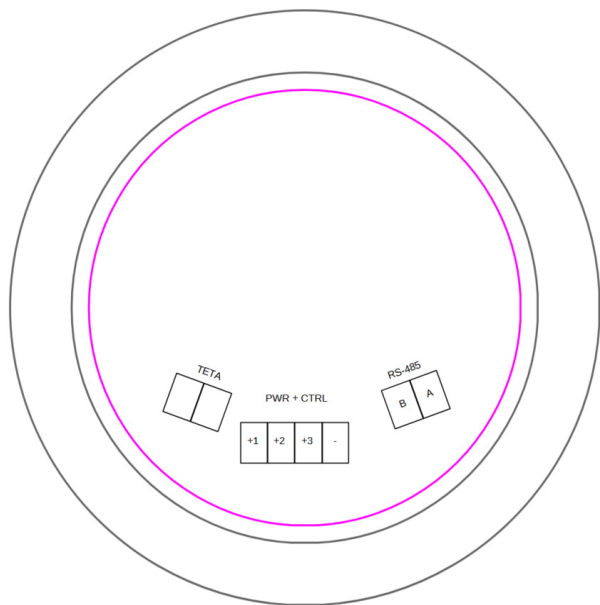
- The signalling device is equipped with LED modules that allow for any configuration using 5 colours and the two-threshold acoustic signaling function, so you can easily identify the state of emergency in the facility. By default, these values are ~ 110 dB for an alarm and 70 dB for an alarm confirmed by the service
- The device body made of stainless steel and IP65 protection index enable operation of the HTT under the most demanding and harsh environmental conditions, with presence of aggressive factors, dust or liquids.
- HTT guarantees reliability thanks to the use of a solution based on LED diodes and a Flash module – built with High Power LED diodes. The applied solution facilitates the identification of the threat state thanks to the generated flashes causing light reflections on the elements of the technological installation.

The use of the presented solution allows to standardize the communication system in the facility, thanks to which all employees can quickly and unambiguously determine the current level of risk at the workplace.

## Location and role of the device in Gas Safety System



**Electrical interface**



**Voltage control**

Pin	Description
-	Negative
+1	Control and signalling input 1
+2	Control and signalling input 2
+3	Control and signalling input 3

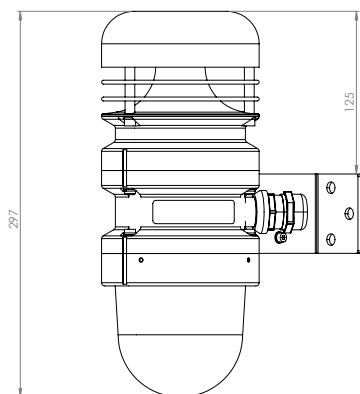
**RS-485**

Pin	Description
A	Signal line A
B	Signal line B

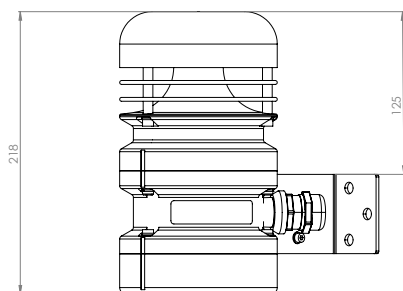
**Teta**

Pin	Description
	Power and communication line
	Power and communication line

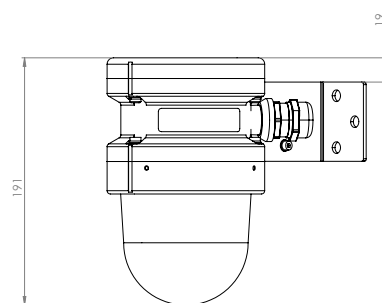
**Dimension**



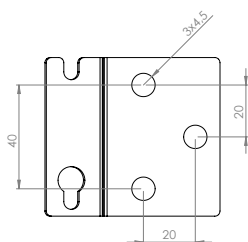
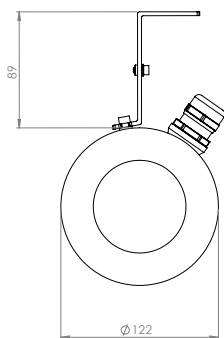
Variants: Beacon + sounder




Sounder



Beacon



## Technical specification

Power supply • Voltage $V_{CC}$	18 – 50 V = 230 V ~	Integrated signalling equipment (audible)	~ 110 dB
Environment • Ambient temperatures • Humidity	-40 – +50 °C * 10 – 90% long term 0 – 99% short term	Protection class	I / III
ATEX	 II 2G Ex db IIC T6...T5 Gb II 2D Ex tb IIIC T85°C... T95°C Db	Cable glands • Diameter range • External thread	10 – 16 mm (it is possible to make it with an regulated clamping range 4 – 12 mm) M20x1.5
IP	IP65	Acceptable cables	0.5 – 2.5 mm <sup>2</sup>
Digital communication parameters • Port RS-485 • Electric standard • Communication protocol	RS-485 Sigma BUS, Modbus ASCII, RTU	Enclosure material	Body depending on version: • aluminium spray epoxy, • stainless steel Globe: glass
Parameters of control and power inputs • Inactive • Active	0 – 1 V 10 – 50 V	Mounting	On the wall / Dedicated mounting bracket
Optical signalling • Light intensity	LED lamps max. 60 Cd (depending on the number of modules and their colour)	* depending on the configuration	

## Product marking

PW-131-A- A - B - C - D - E - F - G


A	Enclosure material	AL	Aluminium, spray epoxy
		SS	Stainless steel
B	Optics variant	0	Without – impossible when C = 0
		RG.RF	1 x red-green + red flash
		3RGB.RF	3 x RGB colour + red flash
C	Acoustic variant	0	Without – impossible when B = 0
		MT	Full (any MT tones - multi tone)
D	Interface	C.DC	Voltage control 18-50V DC
		C.AC230	Voltage control 230V AC <i>Under development</i>
		C.485	Voltage control 18-50V DC + RS485 control
		Teta	<i>Under development</i>
E	Wireless interface	0	Without
		BT	Bluetooth compatible Mandatory E= BT for: D = C.DC and D = C.AC230
F	Number of cable entries	1	1
		2	2 <i>Under development</i>
G	Cable gland	X	See details in POD-066-ENG „ Cable glands used in offered devices”





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