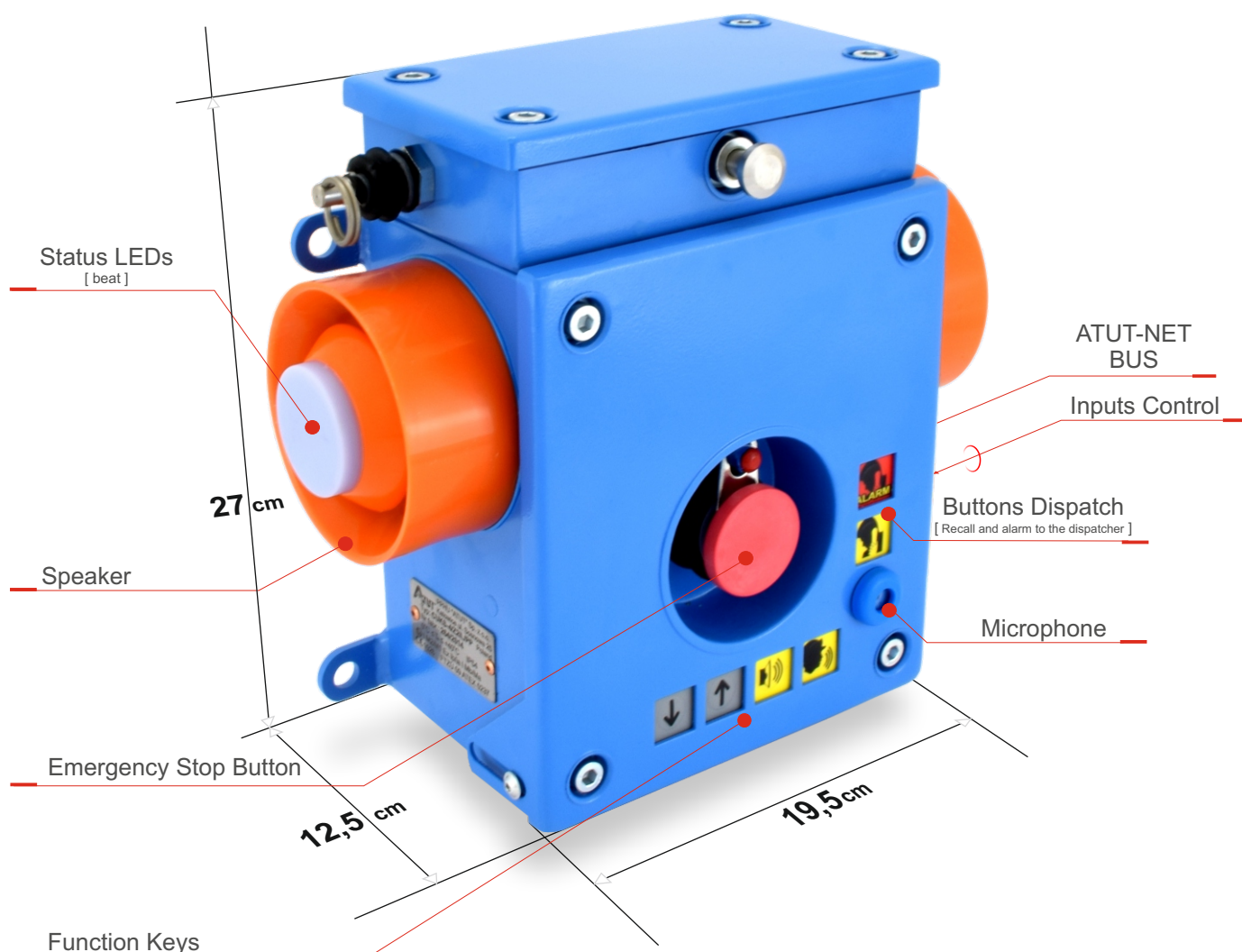


CUKS-4/N2IL/PI

Digital Control Device



Device Description:

Digital Control Device Type CUKS-4 is a loudspeaker designed to control industrial processes under the atmosphere of steam, gases and dusts posing a risk of explosion. It is designed both to work independently as well as in a digital network system, then being a part of a larger system. Implementation of the device enables connectivity of loud speaking, signaling and measurement of selected voltages associated with diagnostic system. The integrated battery allows continuous operation in spite of temporary power outages. Its equipment provides the ability to control and drive devices connected into two independent inputs or/and one output. CUKS-4 also provides the tension control of the emergency stop cord. Device is made as intrinsically safe, allowing their use in mining in areas with danger of explosion of methane and / or coal dust.

CUKS-4/Z2GL/PP Digital Control Device

Technical characteristics:

ATEX certificate number

FTZÚ 09 ATEX 0237

Supply parameters:

Supply voltage U_N

12,5 ÷ 15 VDC

Maximum supply voltage U_i

15,8 VDC

Supply parameters

$I_i=2,5A$ $C_i=0$, $L_i=0$;

Supply Current I_N

$I_N < 120$ mA (CUKS-4/..W/XY)

$I_N < 100$ mA (CUKS-4/../XY)

$I_N < 80$ mA (CUKS-4/..1..)

$I_N < 80$ mA (CUKS-4/..2..)

$I_N < 70$ mA (CUKS-4/..0..W)

$I_N < 50$ mA (CUKS-4/..0..)

Binary input circuits ($I_{N1} \div I_{N2}$)

$U_{I_{MAX}} = 14,28V$

voltage inputs 0 ... 10 V

current inputs 4 ... 20 mA

frequency inputs 5 ... 15 Hz

temperature inputs -30 .. 300°C (Pt1000)

Output circuit (OUT)

$U_H = U_N$ (12 ÷ 15 VDC)

$U_L = 0 \div 0,1$ VDC

$U_0 = 15,8$ VDC

Device Group

I

Device category

M2/M1

Casing type

Ex ib/ia I

Working temperature range

0°C ÷ 40°C

Casing protection degree

IP54

Width x Height x Depth

459 x 473 x 123 mm

Weight

6 kg

Example of use:

