EKL-01

HOTLINE EMERGENCY TELEPHONE SYSTEM

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Thank you for your interest in Ziztel - we are a UK based manufacturer of PAGA and Intercom products. Our systems are mainly designed for use in the Hazardous Oil, Gas and Petrochemical industries. Our products are robust and designed to comply with international standards. The EKL-01 hotline telephone package enables secure two-way voice communications.

Please do not hesitate to contact us for further information on our products we look forward to working with you on a project

ZIZTEL EKL-01 HOTLINE TELEPHONE SYSTEM

Secure two-way full duplex communications

Integral battery autonomy option

Full supervision, automatic critical path monitoring

The EKL-01 hotline telephone system is a simple point-to-point two-way full duplex handset communications system. The package comprises of two subscriber handsets type EKL-01T and a central safe area located switch type EKL-01CS. A single pair cable interconnects each handset to the central switch, with phantom power ($48V_{DC}$) sourced from the host EKL-01CS. There are no call plans and no key pads, the user lifts his handset and the distant handset responds both visually and acoustically. The called party lifts his handset to silence the calling sounder and two-way converstation is established. Upon call completion the user returns his handset to cradle. It should be noted that if the handset is <u>not</u> returned to cradle or is accidently removed from the cradle the central switch delivers an alert signal to the remote user after a preset time. The interconnecting cable is fully supervised and a fault report contact is available to provide early warning of system trouble. Where a UPS secure mains supply is not available the EKL-01CS can be fitted with an integral battery and charger to provide up to 24 hour no-break autonomy. The EKL-01CS accepts connection from standard two-wire telephone instruments enabling use of weatherproof and explosion-proof handsets where required. The EKL-01T is a safe area instrument intended to site in a control room area – the enclosure colour is red or grey. Where there are a number of hotline handsets required in one location a coloured tag can be added to the fascia of the instrument to aid the operator.
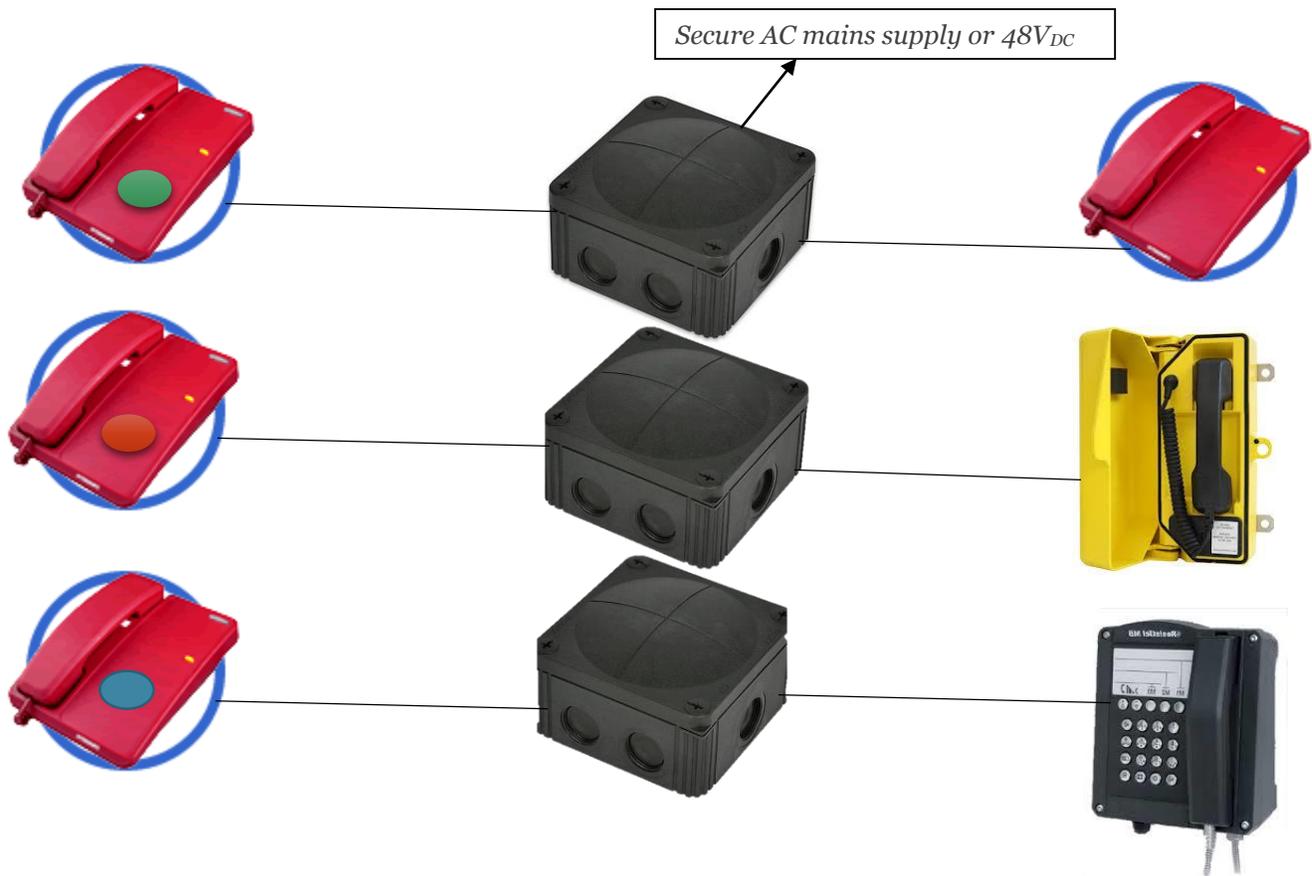
Technical Specification

Connection	2-wire analogue direct wire/'POTs'
Number of subscribers	2
Supply Consumption	Universal $90V_{AC}$ to $254V_{AC}$ 50/60Hz, $48V_{DC}$ 10VA
Battery autonomy	24hours
Line voltage	$48V_{DC}$
Weight EKL-1 CS / R	5kg/6kg
Weight EKL-01 T	1kg
EKL-01CS dimensions EKL-01CS-R Temperature range operational Location	300mm x 200mm x 100mm wall/bulkhead mount 2U 19inch rack mount, 300mm depth -20°C to + 70°C Safe area internal

The simple point to point network shown below shows central bulkhead mount controller, type EKL-01CS, operating in conjunction with a range of industrial hot line handsets.   Connectivity is by a simple single pair copper cable or can be connected by optional single mode / multi mode fibre optic cable cores.

Secure AC mains supply or $48V_{DC}$