

ROADSIDE & TUNNEL EMERGENCY CALL

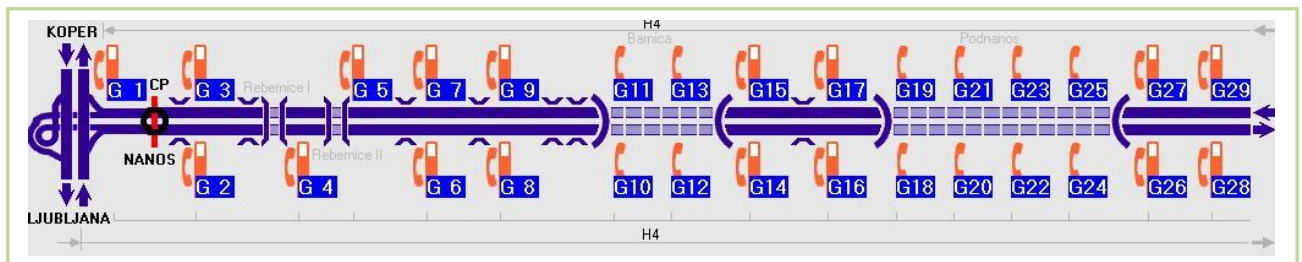
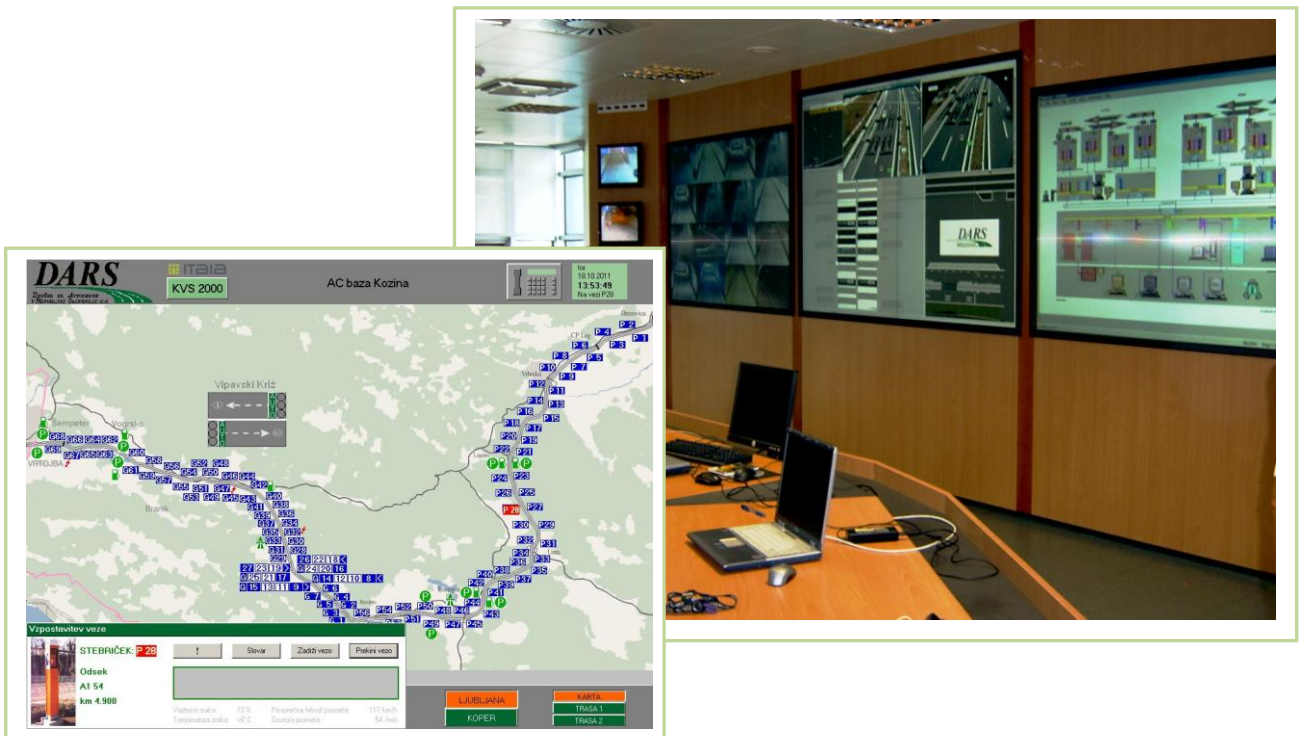
KVS 2000



Litostrojska cesta 44/d, SI-1000 Ljubljana
T +386 (1) 514 18 00, F +386 (1) 514 18 04
info@itaia.si, www.itaia.si

Highly reliable and robust KVS 2000 emergency call system serves as reliable backup communication system on roads, tunnels, metro stations, public places, mountain shelters, etc. Extreme overvoltage protection efficiency and fast circular self test makes highest system availability. It works on many media types: cooper, fiber-optic, IP, GSM, public telephone network (PSTN), etc.

Computer based synoptic enables fast caller location identification and further measures to be taken due to rich computer program support. Call transfer, operator switching, automatic actions, etc. and many more functions can be easily preprogrammed and executed.





EMERGENCY CALL PILLAR



PILLAR BODY

- various design possible
- stainless steel or polyester
- high UV and temperature resistance
- good access for maintenance
- IP54 or higher



SPEAKERPHONE UNIT

- galvanized aluminum, triple coated
- RAL 2004 color, IP65
- 168 x 422 x 162 mm
- Push-button with no mechanical parts
- Call progress indicating LED
- Speaker, high sensitive microphone
- integrated terminal receiver holder
- compatible with KVS 2000, 2000/IP receiver



LED LIGHT SIGN

- LED lamps $\varnothing 16$ (10) mm 13 k Cd/10°
- IP68
- integrated resistors
- connection to speakerphone unit



KVS 2000 TERMINAL RECIEVER

- open road & in tunnel use
- IP65, 120 x 200 x 55 mm
- 12...18 V DC / max 2 W
- high overvoltage protection



KVS LOCAL POWER CONVERTOR

- IP65, 136 x 200 x 55 mm
- in 40 - 300 V AC/DC out 14 V DC / 4 W
- high overvoltage protection
- open road & in tunnel use



CABLE BOX

- Communication & power supply line termination
- fast connection, termination & line interruption possible
- IP65, 400 x 230 x 110 mm
- overvoltage protection for every line



TUNNEL EMERGENCY CALL



INSCRIPTION STICKER

- high intensity reflection foil
- CALL PROGRESS / OUT OF ORDER inscription
- 300 x 500 mm



HOOK SWITCH

- stainless steel
- IP68 protected switch
- Ø 45 x 95 mm



HANDSET

- galvanized aluminum, triple coated
- robust & durable design
- high temperature resistance
- high noise-elimination
- cca 320 x 100 mm



HANDSET CONNECTION INTERFACE

- connection for signal lights, handset speakerµphone and hook switch
- compatible with KVS 2000, 2000/IP receiver
- OUT OF ORDER floating contact output
- powered from KVS or auxiliary supply



SIGNALING LIGHTS

- Ø 30 LED signalization lamps
- Connection to handset interface

TERMINAL RECIEVER SELECTION

	Cooper line	Fiber-optic line	IP network	GSM network	PSTN
TEMINAL RECIEVER	KVS2000	KVS2000/IP	KVS2000/IP	KVS2000	KVS2000
add-on board		optical converter		GSM module	PSTN module



SECTION POWER SUPPLY UNIT



SECTION POWER SUPPLY -BPN 500

- battery backed-up operation
- two independent output lines designed to power 2 x 10 km of KVS system
- input 240 V AC, battery 12 V DC / output 2 x 110 V DC
- power consumption up to 200 W
- short circuit proof, current limited output
- operation status output
- 250 x 143 x 83 mm
- IP54
- high overvoltage protection



DRY / SEALED ACID BATTERY

- 12 V, 27 Ah
- 8 h autonomy operation (2 x 10 km KVS section)
- 5 years battery life



BATTERY HOLDER

- aluminum design
- for batteries up to 175 x 165 mm / 8 kg

POWER SUPPLY OPTIONS

	Cooper line	Fiber-optic line	IP network	GSM network	PSTN
road section	230 V AC network BPN 500	230 V AC network BPN 500	230 V AC network BPN 500		/
local	local power convertor	local power convertor or solar cells + battery	local power Convertor or solar cells + battery	solar cells + battery	/



Slovenski inštitut za
kakovost in meroslovje
Slovenian Institute of
Quality and Metrology

Certifikat o ustreznosti / Certificate of Conformity

Št. / No.

C251-0111/14

Podatki o izdelku / Identification of product

SOS post terminal for emergency call system
Type: KVS 2000

Naročnik / Applicant

ITAIA d.o.o.
Litostrojska 44D, 1000 Ljubljana, Slovenia

Proizvajalec / Manufacturer

ITAIA d.o.o.
Litostrojska 44D, 1000 Ljubljana, Slovenia

Blagovna znamka / Trade mark

KVS 2000

Upoštevani predpisi - standardi / Related regulations - standards

See remark

Poročilo o preskusu - št. in datum izdaje / Test report - No. and date of issue

SIQ, No.: T251-0525/14 (2014-06-02)

Mapa predmeta št. / Subject file No.

C20141140

Proizvod ustreza standardom / predpisom in tehničnim podatkom. Certifikat se izdaja na osnovi SIQ pravilnika za certifikacijo proizvodov in velja za proizvode, ki so identični vzorcju na katerih so bili izvedeni preskusi in so izdelani po tehnični dokumentaciji, katere kopija je arhivirana v SIQ.

The product complies with standards / regulations and technical specifications stated above. This certificate is granted subject to the SIQ's rules on product certification. The validity of the certificate is limited to the products identical to the tested sample and manufactured in accordance with the technical documents, the copy of which is kept by the SIQ.

Opomba / Remark

The product complies to standards:
EN 61000-6-3:2007 + A1:2011, EN 61000-6-1:2005,
EN 61000-3-2:2006 + A1:2009 + A2:2009, EN 61000-3-3:2008

Product Certification Body is accredited by Slovenian Accreditation, Reg. No. CP-001

This Certificate of Conformity shall remain valid until 2017-06-04 or until the validity date of the referenced standard(s), whichever occurs earlier.

Ljubljana, 2014-06-04

Podpis pooblaščenec osebe / Authorized signature

Zoran Svetik

