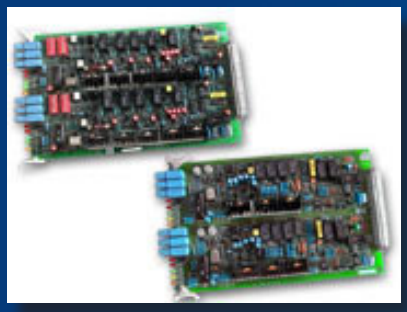


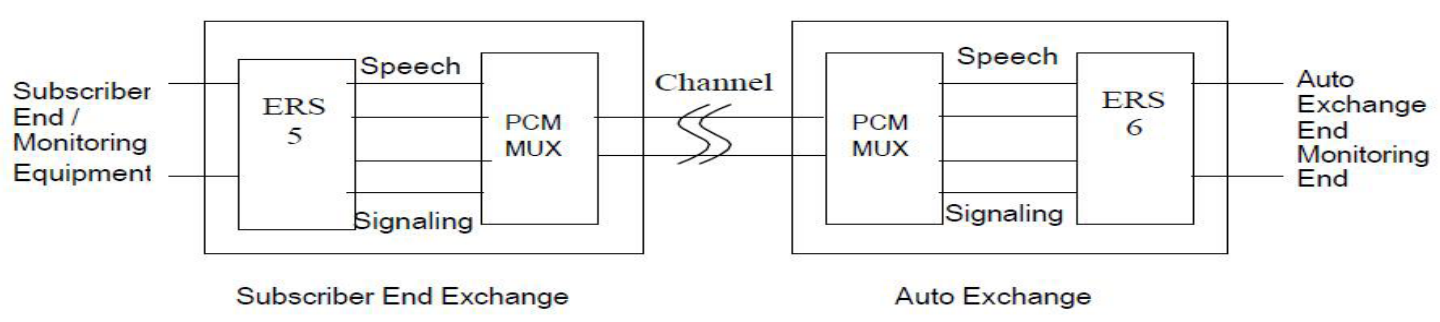
PRIVATE WIRE ELECTRONIC RELAY SETS

Model No: ERS - V / VI

ERS V / VI

The ERS V & ERS VI can be used to provide telephone connectivity to areas where the local exchange has no spare capacity. ERS V is used at the local exchange (Subscriber end) and ERS VI at the Auto Exchange. These relay sets can also be used for monitoring telephone conversations.

- *ERS V is equivalent to Electromechanical Relay Set DS 202820*
- *ERS VI is equivalent to Electromechanical Relay Set DS 202830*



SYSTEM APPLICATION

The Long Distance Subscriber Line Relay Sets, ERS V at the Subscriber end, in conjunction with ERS VI at the Exchange end of the Carrier / Co-axial channel, will enable dialing and signaling to distant exchange with all the facilities of a normal subscriber end telephone.

The same Relay Sets can be used to parallel monitor/tapping of any subscriber at main exchange and can be extended to monitoring equipment at remote exchange end just by replacing the S oftware IC.

NOTE : The specifications can be changed without notice due to technological advances.

INNOVATION COMMUNICATIONS SYSTEMS LTD

(an ISO 9001-2008 company)

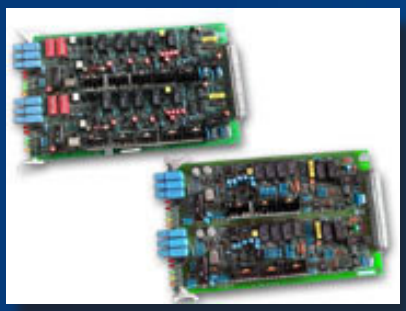
8-3-898/30/2, Road No: 3, Nagarjuna Nagar Colony, Ameerpet, Hyderabad - 500 073, Andhra Pradesh, India

Your IT Partner

Tel: +91- 40 - 23752790, 23730083 Fax: + 91- 40 - 23752788 www.icsglobal.biz info@icsglobal.biz

PRIVATE WIRE ELECTRONIC RELAY SETS

Model No: ERS - V / VI



ERS V / VI

Monitoring Mode System Features:

- Subscriber off-hook indication to Monitoring Equipment via. 1Sec ring and drop in voltage via. Off-hook simulation.
- Incoming Ring signal indication to Monitoring Equipment via. 0.5 Sec ring pulse on each incoming ring.
- DTMF dialing and speech path through to Monitoring Equipment as soon as subscriber makes off-hook.
- Power consumption 10 watts.
- Extends caller-id to the Monitoring Equipment

Normal Mode System Features :

ERS V

- Accepts loop and dialing pulses from subscriber telephone and repeats them as earth and no-earth signals on S-leg
- While dialing a number during IDP period, the channel will be through to listen to any tones (busy or NU tones)from the distant exchange
- Provides 600 ohms termination on channel during dialing
- A transmission path for speech is established on receipt of signal on R-Leg
- Extends line reversal to calling subscriber on meturity of the call
- On receipt of the signal on R leg the ringing signal will be extended to the subscriber
- Detects answering loop, disconnects Ring signal and extends signal on S leg as answer condition to the distance exchange
- Drives both total seizure meter and effective call meter

ERS VI

- Detects the ringing signal and line reversal on the 2 wire physical side and extends earth on S- leg
- On receipt of earth signal on R- leg the speech path is made through
- During the idle & dialing conditions a 600 ohms termination is provided for channel
- The dialing pulses received on R- leg as earth, no earth signals, are repeated to exchange side
- Visual indications for circuit health status, subscriber busy and power supply (-48V) failure
- Allows 16 kHz metering pulses from the exchange to the subscriber
- Drives both total seizure meter and effective call meter
- Provides transmission path for speech
- Insertion loss of the equipment is less than 1dB at 1000 Hz
- 2W to 6W conversion (optional)

NOTE : The specifications can be changed without notice due to technological advances.

INNOVATION COMMUNICATIONS SYSTEMS LTD

(an ISO 9001-2008 company)

8-3-898/30/2, Road No: 3, Nagarjuna Nagar Colony, Ameerpet, Hyderabad - 500 073, Andhra Pradesh, India

Your IT Partner

Tel: +91- 40 - 23752790, 23730083 Fax: + 91- 40 - 23752788 www.icsglobal.biz info@icsglobal.biz