



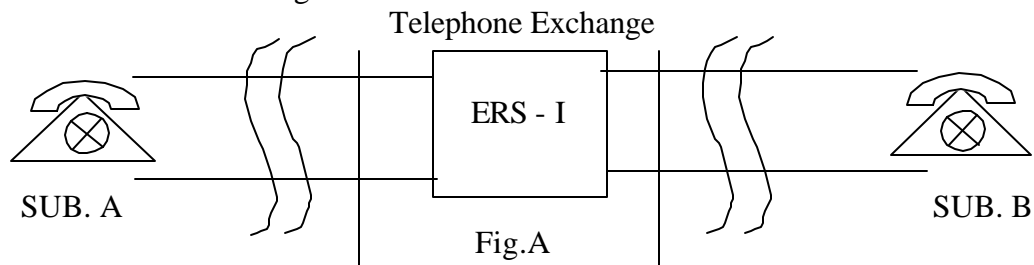
PRIVATE WIRE ELECTRONIC RELAY SETS MODEL Nos. ERS - I / II

SYSTEM OVER VIEW:

The Micro Controller Based Electronic Relay Set Card has two circuits. It can be configured to work like a local junction mode Relay set (2W – 2W) or carrier channel mode Relay set (2W – 4W or 6W) by changing the settings. These relay sets will Provide Hot Line Connectivity between two subscribers, and will not have access to PSTN.

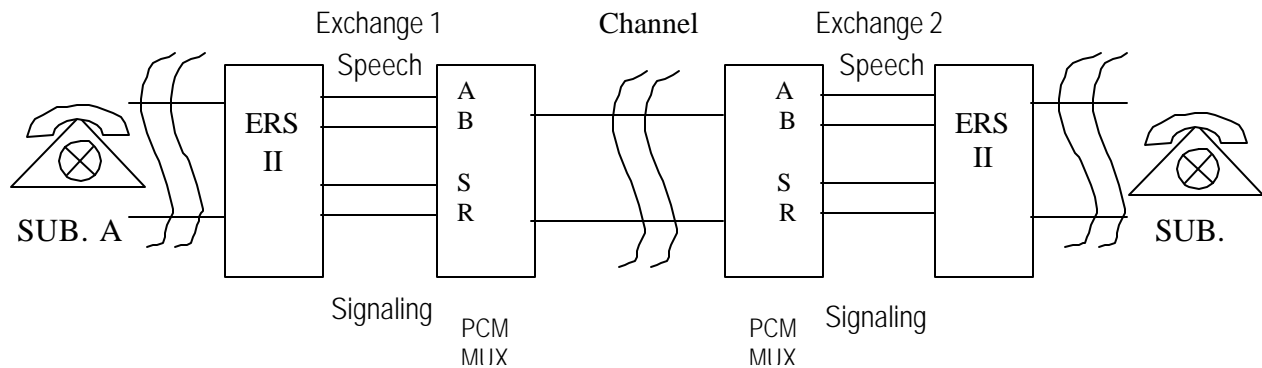
SYSTEM APPLICATION: ERS – I (2W – 2W)

These Circuits are used for interconnection of two subscribers (Sub A and Sub B) together over a physical pair of wires as shown in fig A.



SYSTEM APPLICATION: ERS – II (2W – 4W or 6W)

These Circuits enable interconnection of two Remote subscribers together over a carrier channel. The scheme of inter connection can be shown in fig B. The circuit provides direct services between two subscribers over a CARRIER / COAXIAL / UHF Channels.



SPECIAL FEATURES:

1. DC Surge Protection through MOV.
2. Lighting Protection through GD Tube.
3. Local Circuit/Channel testing through Front Panel Isolation Jacks.
4. Reverse power polarity (-48V) Protection
5. DC power short circuit Protection through on board fuse arrangement and fuse blown visual alarm on front panel.

6. Visual indication for Sub line / Channel busy condition.
7. Visual indication alarm for Sub line / Channel faulty condition.
8. Visual indications for circuit health status and power supply (-48V) fuse failure.
9. Visual indications for Circuit working Mode (ERS - I / ERS – II).
- 10.No Heat dissipations from the Circuit.
- 11.Rugged common Mother Board for each ICS standard sub-rack.
- 12.Direct crimping arrangement for exchange wiring from mother board itself.
- 13.Local or Remote Ring Back Tone facility in (ERS II) (2W – 4W) Channel Mode.
- 14.ERS-I or ERS-II operation mode selection via Dip - Switches.
- 15.Smaller & Sleek Rack Mountable Models.
- 16.Power Consumption 10 watts.

System Features :

The system works on -48VDC supply and earth of the exchange where the equipment is installed.

Model No. ERS I (2W –2W)

- Extension of Ringing current to the called party when the calling party lifts the hand set.
- Return of Ring back tone to the calling party.
- Disconnection of Ringing & Ring tone when the called party answers.
- Offering Transmission bridge for speech.
- Insertion loss of the equipment is < 0.5 dB at 1000 Hz.
- Loop Resistance of the circuit can be 1.5k Ohms.

Model No. ERS II (2W – 4W or 6W)

- Detection of loop from the local subscriber and sending of ring back tone to the local subscriber.
- On seizure by the local subscriber, extension of Earth signal on send leg (S.Lead) of channel.
- On being seized from the channel side, connecting Ringing Current to the local subscriber.
- Disconnection of Ring Back Tone when the called party answer.
- Offering Transmission bridge for speech.
- Insertion loss of the equipment is < 0.5dB at 1000 Hz.
- Loop Résistance of the circuit can be 1.5kOhms.

For further information, please contact:

INNOVATION COMMUNICATIONS SYSTEMS LTD

Corporate Office:

8-2-467/4/A/A, Ground Floor,

Road Ho. 1, Banjara Hills,

Hyderabad - 500 034. (India)

Ph.: +91-40-23352169 , 23351023, 23351024

Ph: +91-40-66620222

Fax: +91-40-23351021

Email : info@icsglobal.biz

Development Centre:

8-3-898/30/2, Nagarjuna Nagar,

Ameerpet,

Hyderabad – 500 073.(India)

Tel: +91-40-23752790

Fax: +91-40-23752788

Visit us at: www.icsglobal.biz .