



TRDS 4001 Radio Data System Encoder

AMPLIFIERS
TRANSMITTERS
ANTENNAS
ACCESSORIES



TRDS 4001

RDS ENCODER

AUDIO FREQUENCY

TRDS 4001 Features:

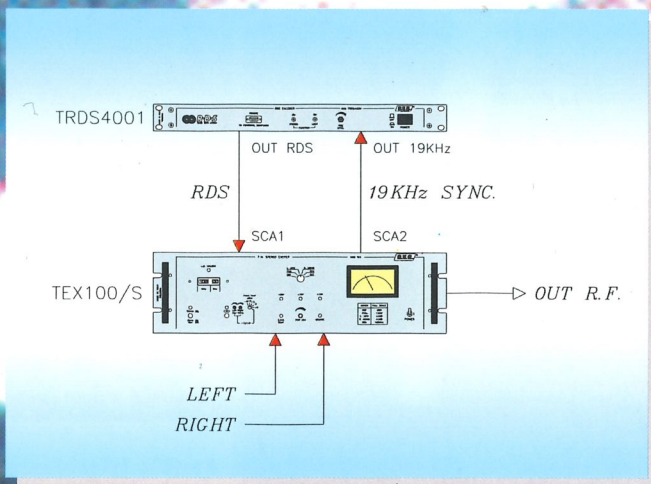
- 1 Easy to program via Personal Computer using a RS232 serial interface
- 2 Selectable programming language: English or Italian
- 3 Standard EBU Services available:
PI: Program Identification
PS: Program Service
PTY: Program Type
TP: Traffic Program Identification
TA: Traffic Announcement
AF: Alternative Frequencies
M/S: Music/Speech
PIN: Program Item Number
RT: Radio Text
EON: Enhanced Other Networks
TDC: Transparent Data Channel
IH: In-house Application
- 4 Ability to transmit 8 messages of 16 words during the day
- 5 Alternative Frequencies features:
Method A: 8 Lists of 25 Frequencies or 10 Lists of 23 Frequencies or 16 Lists of 15 Frequencies or 32 Lists of 7 Frequencies
Method B: 8 Lists of 12 Frequencies or 10 Lists of 11 Frequencies or 16 Lists of 7 Frequencies or 32 Lists of 3 Frequencies (head-list included)
- 6 Date and time function to put messages on air
- 7 Automatic lock in phase with the 19KHz pilot tone of the Stereo Coder
- 8 Prearranged for 24Vdc external power supply
- 9 Available also in the version for SAT signals reception with automatic switching of the signal between the earth station and SAT station

TRDS 4001 Caratteristiche:

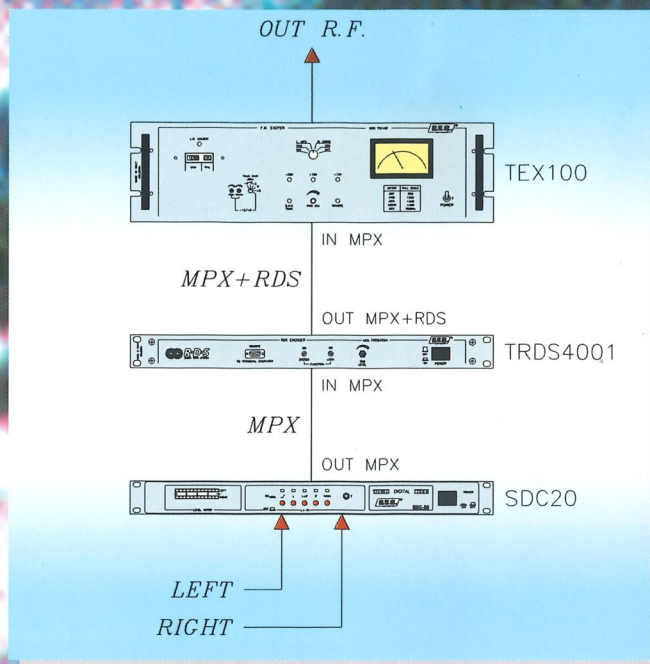
- 1 Facilità di programmazione tramite l'uso di un Personal Computer mediante una porta seriale standard RS232
- 2 Lingua di programmazione selezionabile: Italiano o Inglese
- 3 Servizi standard EBU disponibili:
PI: Program Identification
PS: Program Service
PTY: Program Type
TP: Traffic Program Identification
TA: Traffic Announcement
AF: Alternative Frequencies
M/S: Music/Speech
PIN: Program Item Number
RT: Radio Text
EON: Enhanced Other Networks
TDC: Transparent Data Channel
IH: In-house Application
- 4 Capacità di trasmettere nell'arco della giornata 8 messaggi formati da 16 parole di 8 caratteri ciascuna (comprese data e ora)
- 5 Possibilità di avere le Frequenze Alternative così suddivise:
Metodo A: 8 Liste da 25 Frequenze o 10 Liste da 23 Frequenze o 16 Liste da 15 Frequenze o 32 Liste da 7 Frequenze
Metodo B: 8 Liste da 12 Frequenze o 10 Liste da 11 Frequenze o 16 Liste da 7 Frequenze o 32 Liste da 3 Frequenze (compresa la capolista)
- 6 Funzioni di data, ora, utilizzata per la messa in onda dei diversi messaggi
- 7 Aggancio automatico in fase con il tono pilota 19KHz del coder stereo
- 8 Predisposizione per l'alimentazione esterna 24Vdc
- 9 Disponibile anche nella versione per la ricezione dei segnali via satellite con commutazione automatica del segnale tra la stazione terrestre e la stazione satellitare

TRDS 4001 Caractéristiques:

- 1 Programmation facile par PC à travers la porte sérielle RS232
- 2 Possibilité de sélectionner la langue de programmation: Anglais ou italien
- 3 Services standard EBU disponibles:
PI: Program Identification
PS: Program Service
PTY: Program Type
TP: Traffic Program Identification
TA: Traffic Announcement
AF: Alternative Frequencies
M/S: Music/Speech
PIN: Program Item Number
RT: Radio Text
EON: Enhanced Other Networks
TDC: Transparent Data Channel
IH: In-house Application
- 4 Le système peut transmettre 8 messages composés de 16 mots (8 caractères par mot) par jour (y compris la date et l'heure)
- 5 Méthodes pour avoir des fréquences alternatives:
Méthode A: 8 listes de 25 fréquences, 10 listes de 23 fréquences, 16 listes de 15 fréquences ou 32 listes de 7 fréquences.
Méthode B: 8 listes de 12 fréquences, 10 listes de 11 fréquences, 16 listes de 7 fréquences, ou 32 listes de 3 fréquences (y compris la tête de liste)
- 6 Indication de la date et de l'heure lors de l'émission des messages
- 7 Accrochage automatique de la fréquence en phase avec le ton pilote 19KHz du codeur stéréo
- 8 Prédiposition pour Alimentateur externe 24Vdc
- 9 Disponible également dans la version qui permet de recevoir des signaux par satellite avec commutation automatique du signal entre la station terrestre et la station satellitaire



Example with internal stereo coder



Example with external stereo coder

TECHNICAL SPECIFICATIONS TRDS 4001

- RDS Signal: meets CENELEC EN 50067 specification
- Coding type: Differential at two levels
- Modulation type: DSB with suppressed carrier
- Frequency: 57 KHz
- Band: ± 2.4 KHz
- MONO/MPX Input: 0/+12 dBu
- Outputs: MPX+RDS / RDS
- MONO/MPX Output Level: Equal to Input MPX (+ RDS)
- RDS Output Level: 500 - 2200 mVpp
- Output Impedance: 100 Ohm
- RDS Messages: 8 messages of 16 words each (8 characters for each word) activated automatically at established times. Permanence Time of the word on the display variable from 2 to 60 seconds
- Alternative Frequencies: **Method A:** 8 lists of 25 frequencies or 10 lists of 23 frequencies or 16 lists of 15 frequencies or 32 lists of 7 frequencies.
Method B: 8 lists of 12 frequencies or 10 lists of 11 frequencies or 16 lists of 7 frequencies or 32 lists of 3 frequencies (head-list included)
- Message Setting: With user friendly multi-languages (English or Italian) dedicated Software by PC IBM compatible
- ON-AIR Programming: With dedicated Software
- Data Port: RS232 Standard
- Baud Rate: 1200 Baud
- Connector: 9 Pin D-Type Female connector
- Message Management: Microprocessor-controlled system
- Lifetime: 10 years without mains voltage
- Working Temperature: from -10°C to 50°C
- Mains voltage: 110-220 Vac, 50-60 Hz or 24Vdc with external battery
- Consumption: 15 VA
- Rack Dimensions: Rack 19", 1HE (483 x 44 x 280 mm)
- Weight: 3.5 Kg.

Options

- /M Mono Input option
- /03 External 24V Battery option
- /SAT Satellite Input option



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These specifications are therefore subject to change without notice. Per esigenze tecnico-costruttive ci riserviamo il diritto di apportare varianti ai prodotti, senza preavviso.