Model 2720 Subcarrier FSK Data System

The 2720 is an FSK subcarrier above video data transmission system with factory set frequencies from 4.5 MHz to 9.0 MHz. Data is synch or asynch (factory set) and the interface format can be set to RS-422 or RS-423 (RS-232 compatible) by changing on board jumpers. Connection to video is via a high impedance resistor which does not load the video signal even if power is lost.

Model 2720-XXTR FSK Data Transmission System

Model 2720-XXR FSK Data Receiver Single

2720 EQUIPMENT SPECIFICATIONS*

General
- Modulation: FSK
- Frequency Range: 4.5 to 9.0 MHz, agile on Tx, crystal controlled on Rx
- Data Rates: 2.4, 4.8, 9.6, 14.4, 19.2 kB sync or async
- Spacing: 45 kHz, max

Modulator (Transmitter)
- Subcarrier Output: 1KΩ OR 75Ω, unbalanced
- Level: 25 to 150 mV, p-p, 1KΩ; 50 to 300 mV, p-p, 75Ω

Demodulator (Receiver)
- Input: Hi-Z bridging, unbalanced
- Impedance: ≥2 K ohms
- Level: 25 to 250 mV, p-p
- Interface: RS-423 (RS-232 compatible) or RS-422
- Scrambling: CCITT V.35
- Forward Error Correction: None

Controls (Transmitter),
- Level: Potentiometer adjusts output carrier level
- Frequency: BCD Switches, adjustable with a small blade screwdriver
- Mute: Toggle switch mutes output carrier

Indicators
- Data; Mute; Alarm: Green LED; Red LED; Red LED

Other
- SC, Data Connectors: BNC, female; Barrier strip
- Size: 19 inch standard chassis 1.75"high X 14.0" deep
- Power: 115 VAC, 60 Hz, 20 watts max., wall mount power supply

+10 to +40 degrees C; Specifications subject to change without notice

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