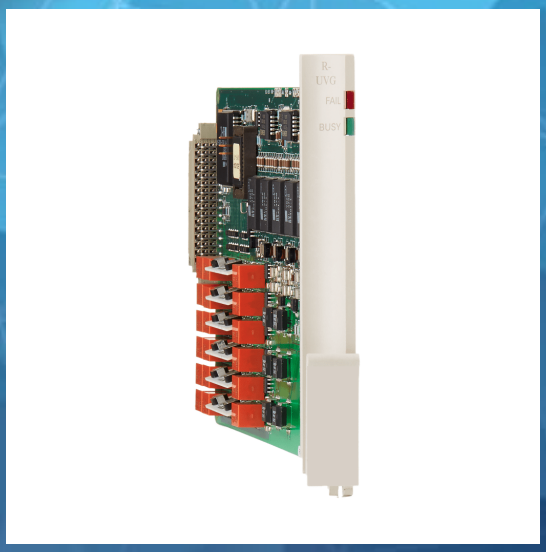


SKU: 0110-0222
Category:

RST Universal Voice Grade (R-UVG)

Remote Subscriber Terminal (RST) Universal Voice Grade (R-UVG) plug-in card provides six individually provisionable ground start or loop start circuits and supports reverse battery signaling for applications such as PBX off-premises lines. The R-UVG is the constant current loop feed counterpart to the L-UVG card, which installs in the Local Exchange Terminal (LET). The R-UVG is direct-mapped (non-concentrated) to the corresponding L-UVG card and establishes six dedicated circuits.

Features

- •Automatic or provisionable transmission gain (0.1 dB steps)
- •Ground Start and Loop start and Reverse battery signaling
- •Forward disconnect
- •Firebar continuous ringing
- •Private Line Automatic Ringdown (PLAR) hotline service
- •On-hook transmission
- •Remote test access to metallic tip and ring
- •Call Message Waiting Indicator (CMWI)

Highlights

Easy Provisioning

From CUI or Tellabs Panorama EMS the R-UVG can also be provisioned to support Å“firebarÂ (continuous) ringing, full time on-hook transmission and Private Line Automatic Ringdown (PLAR) hotline service. The R-UVG
is typically used at the RST. The R-UVG can be installed in the LET to support Direct-Inward-Dial (DID) applications. Each R-UVG circuit can be independently provisioned as a D4 FXS, D4 DPO, TR-8 POTS or TR-8 DID circuit. The R-UVG card provides ring cadence following including ring-ping.

Mutliple Modes of Transmission

Three (3) modes of on-hook transmission are supported: between ring bursts, loop current feed open interval and provisionable full time.
Forward disconnect is supported in POTS mode. The card also supports precision gain adjustment in 0.1 dB steps over a 12.0 dB
range and automatic transmission loss switching with loop length (one step of 3 dB).

Testing Capabilities

The R-UVG card also supports multiple loop testing systems including Mechanized Loop Testing (MLT).

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Specifications

Physical

Height:	5.125 in (13.018 cm)
Width:	0.563 in (1.429 cm)
Depth:	10.5 in (26.67 cm)
Weight:	0.5 lb (0.23 kg)

Interfaces

- Six (6) 2-wire circuits

Power Consumption

Maximum power consumption:	13.5 W
Typical power consumption:	3.3 W

Environmentals

Temperature:	-40Â° to +149Â° F (-40Â° to +65Â° C)
Relative Humidity:	5âœ95% noncondensing
Altitude:	Up to 10,000 feet

Compliance

- TR-TSY-000057
- TR-TSY-000303
- GR-1089-CORE

General

End-to-end signaling delay (normal and reverse):	< 50 msec
Pulse distortion (pw > 25 msec):	< 5 msec
Maximum loop length (includes station):	1500 Ohms
Off-hook detection threshold:	< 2.0 kOhms
On-hook detection threshold:	> 7 kOhms
Open ckt. voltage: on hook transmission mode:	42 Â3 2 V DC
Ring trip detector:	> 2000 Ohms
Ring trip delay:	< 150 ms
Audio Companding:	ÃŽÂ law
Audio Normal input impedance:	600 Ohms
Nominal loss at loop resistance under 650 Ohms:	-3 dB Â3 0.2 dB
Nominal loss at loop resistance above 650 Ohms:	0 dB Â3 0.2 dB

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Adjustable gain range:	A-D +3.0 to -9.0 dB, D-A -3.0 to +9.0 dB
Maximum VF overload level:	+5.0 dBm
Single ended return loss:	> 12 dB @ 300 Hz – 600 Hz; > 15 dB @ 600 Hz – 3.4 kHz
Longitudinal balance:	> 58 dB @ 300 Hz – 3.4 kHz

LED Indicators

- FAIL (red)
- BUSY (green)

Management

- Craft User Interface (CUI)
- Tellabs Panorama Element Management System (EMS)

Software Support

- Minimum base software FP16 and higher

Installations

- Supported in Tellabs 1000 CBA

Ordering Information

- R-UVG: 0110-0222

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