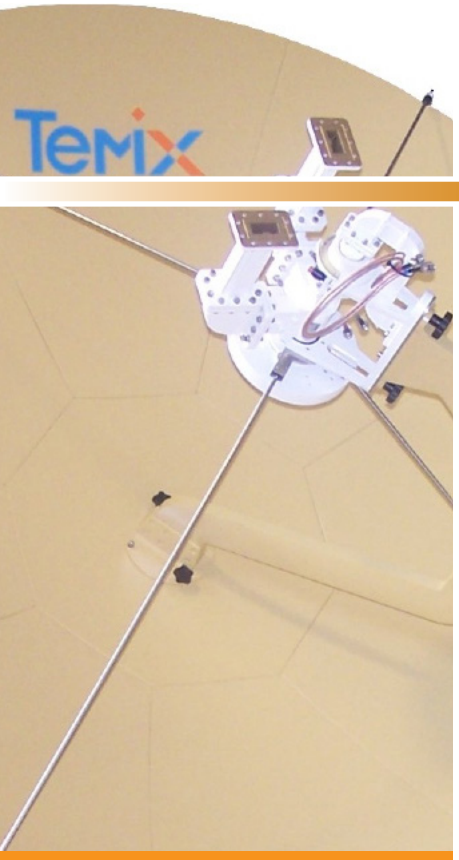

Up Power Link Control
UPC-xyz-w-01-A

The new generation Up Power Link Control (UPC) unit is the state of the art solution to detect the link loss due to weather conditions measuring the beacon signal or a reference carrier and automatically controls the Up Link Power through Amplifiers/Attenuators in order to compensate the link losses. A customer supplied or an optional integral Beacon Receiver provides the UPC with a DC voltage proportional to the downlink signal strength. The UPC is configured from one up to ten attenuator channels each capable of providing up to 20 dB of power correction. Occurring an attenuator fault or power loss the signal will be switched to a failsafe path routed through the rear panel.

Characteristics	
Frequency	L-band 950–2150 MHz (opt. 950-2350 MHz) C-Band 5.850-6.425 GHz; Ku-Band 13.75-14.50 GHz
Attenuation Range	20dB in 0.1dB Steps
Gain Flatness	± 1.5dB over 950–2150 MHz
Return Loss	> 15dB (input/output)
Input Section	±5Vdc, 0-10Vdc (external Beacon Receiver) L-band 950–2150 MHz (opt. 950-2350 MHz) (Integral Beacon Receiver)
Number of Channels	1 up to 10 Channels with Vdc & 10MHz Pass Through
Insertion Loss	< 3.5dB at min attenuation (L-band)
Bypass mode	Fail-safe switching (path Insertion Loss 3dB Max)
Physical	
Dimension & Weight	19" Standard, 1RU (up to 4 Channels; 2RU up to 10 Channels), 540mm, approx 8Kg
Connector	N-Type (f), 50 Ω
Remote Interface	SNMP (opt. RS485, RS422, RS232, Web Browser)
Power Requirements	90/250Vac, 47/63Hz, 80W
Primary Supply	Fully Redundant
Environmental	
Temperature	0°/50°C (operating), -20°/+70°C (storage)
Humidity	95% (@ 30°C, operating), 95% (@ 40°C, non operating)
Altitude	4000m (operating)
Shock & Vibrations	normal handling by commercial carrier

Main Features

- **up to 10 Channels Up Power Link Control (UPC)**
- **20dB Compensation Range in 0.1dB Steps**
- **Fail-safe Switching Bypass**
- **Vdc & 10MHz Pass Through**
- **Redundant Power Supply**

Legenda:

x= UPC channels
y= 1/Integral B.R.;
0/external B.R.
z= input voltage 1/±5Vdc;
2/0-10Vdc;
w=L/L-band; E/LS-Band;
C/C-band; U/Ku-band

*The Information included in this data sheet may be changed without advise. rev_01/18

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