

PTRL

RADIO LINKS SYSTEM

MODEL PTRL-LCD



ORDERING INFORMATION

Model	Description
PTRL-LCD	20W Radio Link TX 200÷960 MHz in step of 20 MHz factory limited. Please specify the operating frequency at the order.

OPTION

/S-PTRLLCD	Stereo coder card.
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PTRL-LCD

Radio Links System.

FEATURES

PRIMARY APPLICATION: Link to carry audio signals to support sound FM radio broadband broadcasting.

RADIO LINKS TOPICS: optimal price/performance ratio recognized worldwide.

AUDIO PERFORMANCE: low distortion and intermodulation values, combined with a high noise/signal ratio, provide high performance also together with an integrated stereo coder with L&R, Mono, MPX (composite signal) analog audio and auxiliary SCA/RDS inputs. The stereo coder is available as an option.

HARDWARE FEATURES: extremely compact and indeformable thanks to their stainless steel chassis, in 2 rack units (2HE) each only.

WORKING FREQUENCIES: standard working frequency bands is 200-960 MHz of 20 MHz and selectable in steps of 5kHz. Working frequency (hence, the frequency band) must be specified on order.

RELIABILITY/CONTINUITY: enhanced business continuity guaranteed in all working conditions through an APC automatic control and a Foldback protection. The presence a 24VDC connector connected to a battery or other power source ensures uninterrupted operation in the event of mains failure.

USER-FRIENDLY FEATURES: universal 80-260 V multi-voltage power supply enables operation on different mains voltages with no need to preselect voltage. Pushbuttons for user/device interaction provide enhanced accessibility, resulting in extreme ease of use. Configuration software offers a simple, intuitive interface.

INTERFACE CONTROL: total control thanks to microprocessor with all key parameters displayed on LCD.

EASE OF MAINTENANCE: advanced module engineering ensures extreme ease of access and simple maintenance.

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Parameters		U.M.	Value	Notes
GENERALS				
Frequency range	Work bandwidth is 20MHz	MHz	200 ÷ 500 , 780 ÷ 980	
Rated output power		W	20	Continuously adjustable from 10 to 100%
Modulation type			Direct carrier frequency	
Operational mode			Mono, Multiplex	
Ambient working temperature		°C	-10 to +50	Without condensing
Frequency setting		kHz	10	Steps
Frequency stability	Temperature range from -10°C to 50°C	ppm	±1	
Modulation capability	Referred to 0dBu for 75kHz	kHz	130	Meets or exceeds all FCC and CCIR rules
Pre-emphasis		µS	0, 50 (CCIR), 75 (FCC)	Selectable
Spurious & harmonic suppression		dBc	<73	
Asynchronous AM S/N ratio	Referred to 100% AM, with no de-emphasis	dB	≥60	
Synchronous AM S/N ratio	Referred to 100% AM, FM deviation 75 kHz	dB	≥50	
POWER REQUIREMENTS				
	by 400Hz sine, without de-emphasis			
AC Power input	AC Supply Voltage	VAC	80 ÷ 260	Full range
	AC Apparent Power Consumption	VA	120	
	Active Power Consumption	W	70	
	Power Factor		0,5	
	Overall Efficiency	%	Typical 50	
DC Power input	Connector		VDE IEC Standard	
	DC Supply Voltage	VDC	24	
	DC Current	ADC	5	
MECHANICAL DIMENSIONS				
Physical dimensions	Front panel width	mm / inch	483 / 19	EIA rack
	Front panel height	mm / inch	88 / 3 1/2	2HE
	Overall depth	mm	394	
	Chassis depth	mm	372	
Weight		kg	About 7	
Cooling			Forced, with internal fan	
Acoustic noise		dBA	< 58	
AUDIO INPUTS				
Left / Mono	Connector		XLR F	
	Type		Balanced	
	Impedance	Ohm	10 k or 600	
	Input Level / Adjust	dBu	-13 to +13	Continuously adjustable
Right	Connector		XLR F	
	Type		Balanced	
	Impedance	Ohm	10 k or 600	
	Input Level	dBu	-13 to +13	Continuously adjustable
MPX	Connector		BNC	
	Type		Unbalanced	
	Impedance	Ohm	10 k or 50	
	Input Level / Adjust	dBu	-13 to +13	Continuously adjustable
SCA/RDS	Connector		2 x BNC	
	Type		Unbalanced	
	Input Level / Adjust	dBu	-8 to +13	For 7,5 KHz FM, adjustable
OUTPUTS				
RF Output	Connector		N type	
	Impedance	Ohm	50	
RF Monitor	Connector		BNC	
	Impedance	Ohm	50	
	Output Level	dB	Approx. -30	
Pilot output	Connector		X	
	Load Impedance	Ohm	X	
	Output Level	Vpp	X	Sinusoidal
FUSES				
On mains			1 External fuse F 3,15 T - 5x20 mm	
On services			X	
On PA Supply			X	
On driver supply			X	

All pictures are RVR's property and they are only indicative and not binding. The pictures can be modified without notice. These are general specifications. They show typical values and are subject to change without notice.



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