



## KP-12

### 12-Position Keypanel

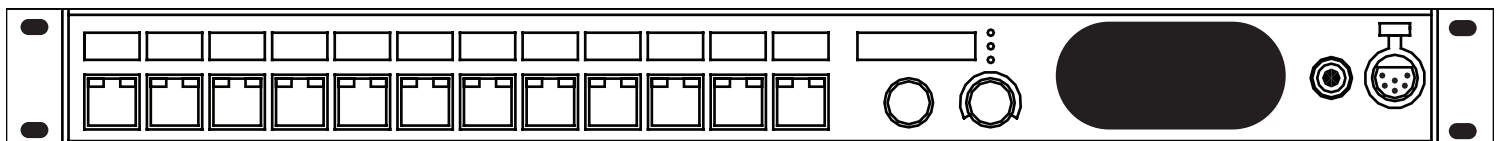
The RTS KP-12 Modular series of keypanels represents the ultimate in compact, fully programmable user stations. Based on a common set of internal modules (modules also available separately for custom designs) the KP-12 series have a common set of very powerful features, which make them attractive in mobile applications and in other situations where space is at a premium. Available in lever key versions and pushbutton versions, the basic KP-12 provides a menu driven, fully programmable 12 key user station in a single rack unit of space. Expansion panels and level control panels round out the offerings in the rackmount form factor. Available in grey or black.

## Features

Extremely long-life, high visibility green alphanumeric LEDS  
Fully programmable via pull down menus selected via front panel shaft encoder  
Lever key versions provide individual Talk/Listen functions on each key  
Push button versions provide individually assignable talk, listen or T/L function on each button  
All keys assignable for all functions (point to point, IFB, ISO, PL, SL, relay, GPI)

Removable, optional MCP-90-XX gooseneck microphone  
Universal power supply for 100 - 240 VAC, 50/60 Hz operations  
Optional rear connector and GPI options available for rack-mount panels  
Wide range of keypanels and expansion panels for specific applications

## Line Drawing



# KP-12 Specifications

## Microphone Preamplifier

Audio Input Level (at 1 k $\Omega$ )

Electret Mic: -42 dB, 5 k $\Omega$

Dynamic Mic: -60 dBm, 150  $\Omega$

Output Level (to matrix): +8 dBu,  $\pm 0.2$  dBu

Max Voltage Gain, Mic to Line: 70 dB,  $\pm 2$  dB

Frequency Response: 100 Hz to 8000 Hz,  $\pm 3$  dB

## Test Oscillator

Output Level (to matrix): +8 dBu,  $\pm 2$  dBu

Output Frequency: 400 Hz

## Headphone Amplifier

Maximum Voltage Gain: 30 dB

Frequency Response: 100 Hz to 8000 Hz,  $\pm 3$  dB

Headphone Impedance: 50 to 600  $\Omega$

Output Power: 150 mW into 50  $\Omega$

Output Voltage Level: 8 volts peak-to-peak (max.)

Mute: Full: 70 dB min, Partial: 0 to 30 dB

Sidetone Range: 30 dB

## Speaker Amplifier and Speaker

Frequency Response: 100 Hz to 8000 Hz,  $\pm 3$  dB

Output Power (per amplifier): 5 watts into 4 $\Omega$

Output Voltage Level: 16 volts peak-to-peak (max.)

Volume Control Range: 70 dB

Mute: Full: 70 dB min, Partial: 6 dB, 0 to 30 dB adjustable

Speaker: 2 watts continuous, 4 watts peak

## Intercom Line Input/Output

Main Output, Nominal: +8 dBu,  $\pm 0.2$  dBu

Main Input: Nominal: +8 dBu, Peak:  $\pm 20$  dBu max.

External Line Input, Nominal: +8 dBu

## General

Input Power Requirements:

AC Supply: 90-230 VAC  $\pm 10\%$ , 50/60 Hz

Environmental: Storage: -40°C to +60°C, Operating: -10°C to +41°C

## Dimensions (Built-In Power Supply Version)

19" (482.6 mm) W, 1.75" (45 mm) H, 5.5" (140 mm) D

## Weight (Lever Key, Built-In Power Supply Version)

5 lbs (2.27 kg)

## Standard Connectors (Other connector options available)

Panel Microphone: 3-circuit, 1/4" phone jack with threaded metal brushing, compatible with RTS MCP-90-XX

Headset: XLR-4 or XLR-5 Female

AC Power Input: IEC-320

Intercom: Parallel-wired DE-9S and RJ-11 Connectors

## Contact Information

Telex Communications, Inc.  
12000 Portland Avenue South  
Burnsville, Minnesota 55337  
Telephone: 877-863-4169  
Fax: 800-955-6831

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## Ordering Information

**KP-12LK**; 12-talk key lever key keypanel;

Catalog Number: 90007497XXX-LK

**KP-12PB**; 12-talk key pushbutton keypanel;

Catalog Number: 90007497XXX-PB

**KP-12SL**; KP-12 circuit kit;

Catalog Number: 90007497004

**KP-12SP**; KP-12 circuit kit;

Catalog Number: 90007497003

This specifications information is preliminary and is subject to change without notification.

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