

Universal Telephone Interface

Model UTI1



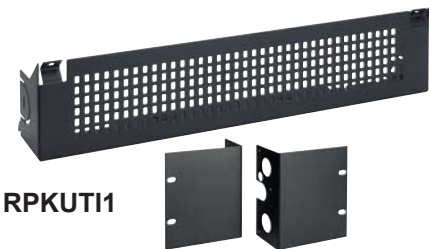
Description

The UTI1 Universal Telephone Interface provides single-zone paging for one-way applications such as self-amplified speaker systems. It is compatible with all standard analog port types and includes two audio outputs with level controls, each of which can provide audio for 150 Bogen self-amplified speakers.

A 24V DC @ 1A internal power supply is available to power external equipment.

Features

- Single-zone paging
- Telephone interfaces: loop start trunk, ground start trunk, station access (analog ring-up), page port contact closure activation, page port voice activation
- Simple 2-switch interface setup
- Override paging (using loop start trunk or page port contact closure activation)
- Programmable activation of AUX contacts
- C-form contact
- Two audio outputs (Page Only and Page with Background Music) both with level controls
- Each output can provide audio drive for 150 self-amplified speakers
- High impedance transformer-isolated background music input with volume control
- Variable music mute
- Night Ringer (contact closure activation)
- Tone Trigger (tone and duration selectable, closure-activated)
- Tone burst (2 to 7 sec), chime, and slow whoop tone selections
- Pre-Announce/Confirmation Tone
- Adjustable output limiter with threshold control and active indicator
- Programmable timers control page duration (station and trunk)
- DTMF programming
- DTMF Block to help suppress DTMF tones over paging system
- Non-volatile memory for setup data (no backup battery required)
- Setup Tone to assist in volume setting
- Pluggable terminal strips
- Microcontroller-based operation
- Wall mounting flanges
- Rack panel kit with security cover available (RPKUT11 sold separately)
- Two-Year Warranty



RPKUT11

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Technical Specifications

Input Impedance:	600 ohms (nominal)	DC Output:	1A @ 24V DC
Input Level:	-10 dBm (nominal)	Voltage:	120V AC
VOX Sensitivity:	-30 dBm	Current:	0.5A
BGM Input Impedance:	20k ohms	Temperature:	0 to 104° F (-18 to 40° C)
Music Input Level:	-10 dBm (nominal)	Humidity:	0 to 85% non-precipitating
Output Level:	-10 dBm (nominal)	Approvals:	C-UL (UL60950); FCC Part 68 Registered; FCC Part 15 Compliant; Industry Canada CS-03
Output Impedance:	8 ohms	Dimensions:	12-1/4" W x 5-1/4" H x 2-1/2" D
Speaker Drive Capacity:	150	Product Weight:	5 lb.
Timer Duration:	Default: 10s to 990s VOX: 1s to 9s (both defeatable)		
CPC Disconnect:	Pulse greater than 300ms		
Contact Closure:	2A @ 30V DC 0.6A @ 125V AC		

Architect & Engineer Specifications*

The UT11 Universal Telephone Interface shall provide single-zone paging for one-way applications such as self-amplified speaker systems.

It shall be compatible with all standard analog port types: loop start trunk, ground start trunk, station access (analog ring-up), page port contact closure activation, and page port voice activation.

It shall include two audio outputs (page only and page and background music) with level controls, each of which shall provide audio for 150 Bogen self-amplified speakers and be compatible with 70V amplifier inputs.

The UT11 shall provide 1A @ 24V DC (+20 CU) AUX power for powering amplified speakers.

It shall include a high impedance transformer isolated background music input with volume control and variable music mute.

It shall include an adjustable output limiter with threshold and active indicator and variable music mute.

It shall provide override paging (using loop start trunk or page port contact closure activation), a night ringer input (contact closure activation) with programmable tone, and a tone trigger input (contact closure activation) with programmable tone and duration.

DTMF programming shall be available through the override input. It shall include DTMF block to help suppress DTMF tones from being heard over the paging system.

The unit shall include programmable timers to control page duration (station and trunk) that can be inhibited.

The unit shall include a programmable pre-announce/confirmation tone that can be set to be heard at the speakers being paged or at the calling telephone or both, as well as a

setup tone to assist in volume setting, both of which can be inhibited.

The unit shall include a tone level control that sets the level for all tones.

The UT11 shall offer a tone burst, a double chime tone, and a slow whoop tone.

The unit shall include a programming reset to return the UT11 system to the original factory default values.

The UT11 shall provide a dual form contact rated at 2A @ 30V DC and 0.6A @ 125V AC that can be used to activate external equipment.

The UT11 shall allow the installer to program a number of different parameters to control the way in which the AUX relay contacts activate. The UT11 shall allow programming of which input events the AUX relay will respond to, whether it will respond to the event only or to a combination of the event and its place in the priority structure, and if it will respond during the event or after the event ends.

It shall include non-volatile memory for setup data (no backup battery required).

The UT11 shall be wall and rack mountable (rack panel kit RPKUT11 sold separately).

The UT11 shall be C-UL approved (UL60950), FCC Part 68 Registered, FCC Part 15 Compliant, and Industry Canada CS-03.

Dimensions of the unit shall be 12-1/4" W x 5-1/4" H x 2-1/2" D. Product weight shall be 5 lb.

* Architect and Engineer Specifications are available online in a Word document to assist you with preparing your bids.

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