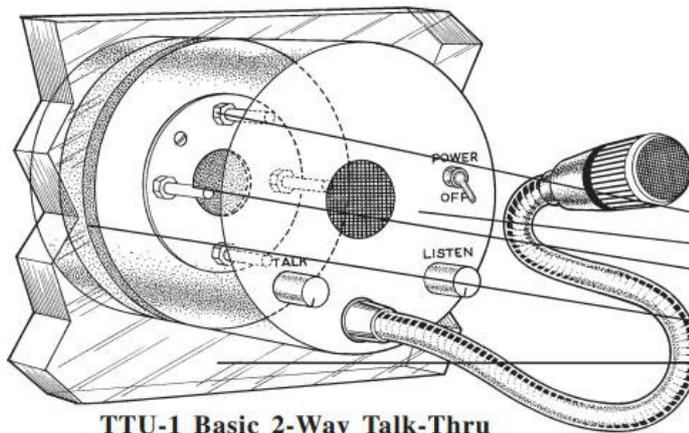




TTU-1 Basic 2-Way Talk-Thru Electronic Communications System



TTU-1 Talk-Thru Mounting Detail (Electronic assembly not shown)

- 8-32 nuts and lockwashers (4)
- Control Panel
- 8-32 mounting rods (4) (fixed to faceplate)
- Rubber gaskets (2)
- Barrier

TTU-1 Basic 2-Way Talk-Thru Electronic Communication System

The Basic Voice Communication System for High-Security and Isolation Booth Situations

Today's security and isolation booths and ticket booths are often the best step you can take to protect your employees. But do they protect and also help maintain your very important good will? Not if clerks and customers have to shout and growl and repeat themselves to be heard or understood.

The Alpha Communications®/Norcon patented **TTU-1** Talk-Thru Communicator is a 2-way, hands-free audio system that provides high-quality personal communication between people separated by security or isolation barriers. It is the most widely used system of its type in the U.S., and the world.

How It Works...

The Alpha Communications®/Norcon **TTU** system permits hands-free, 2-way communication between the booth attendant and the customer. Vox circuitry facilitates ongoing, clear, 2-way conversation at all times - as if the two parties were together in the same room.

The **TTU-1** Talk Thru Communicator now incorporates circuitry to automatically attenuate the outside channel. If the gooseneck microphone is not used for a period of 30 seconds, the outside channel will be reduced approximately 70%. Normal operation is restored as soon as the attendant speaks into the gooseneck microphone. The automatic volume attenuation circuit prevents outside noise from bothering the attendant.

The **TTU-1** provides clear communication even in environments with high ambient noise by shaping the sound for maximum intelligibility. Its compression circuitry decreases loud, annoying sounds.

How To Install...

Installation of the **TTU-1** is a very simple, one-person operation. All that's needed is a 3 to 4 inch round cutout in the barrier. Four fasteners and two rubber gaskets needed for mounting are supplied. Please specify barrier thickness when ordering.

The front face and housing are easily mounted on opposite sides of the barrier using the fasteners supplied. The rubber gaskets prevent slippage and protect the barrier surface. The electronic section is then inserted into the housing and fastened in place.

Note choice of continuous-duty, 117-Volt AC power supply stepped down to 12 Volts (**TTU-1A-X** series), or rechargeable nickel cadmium battery operation (**TTU-1D-X** series).

Features

Mechanical Specifications

| | |
|----------------------------------|--|
| Outside Face Plate: | Solid aluminum, anodized finish, tamperresistant |
| Control Housing (Inside): | Machined aluminum, anodized finish, tamper-resistant |
| Dimensions: | Outside face plate - 5.00" dia x 0.50"D Inside control housing - 5.00" diameter x 3.50"D Microphone and gooseneck 18 in. |
| Weight: | 4.50 lbs. (model# TTU-1A-X) |
| Mounting: | Partition hole 3 to 4 in. dia. (3.50" recommended) <u>Please specify barrier thickness when ordering</u> |
| Panel Controls: | Listen volume, talk, volume, on-off switch, charger socket (on battery unit) |

Electrical Specifications (Booth Unit)

| | |
|---------------------------------------|--|
| Audio Frequency Response: | Selectively shaped for maximum voice intelligibility |
| Audio Power: | 2 watts per amplifier |
| Distortion: | Less than 2% |
| Listen Mode: | 20 dB compression |
| Talk Mode: | Vox |
| Microphones: | Electret (inside gooseneck mic. is 18.0" long). Optional 8.0" or 24.0" models avail., at extra cost. Please specify when ordering! |
| Power Supply: | Input: 120 VAC, 60 Hz, Output: 15 VDC, 175mA |
| Useful time (on battery unit): | 10 to 12 hours per charge |
| Charge time (battery unit): | 5 hours for full charge. Unit can be used while charging |

8 Available Models

1. **TTU-1A-X** Complete for continuous-duty operation. 117 VAC power supply stepped down to 12 Volts
2. **TTU-1AB-X** Same as **TTU-1A-X** but with bullet-resistant option*

- Clear, 2-way hands-free voice communication.
- Avoids shouting, repetition, misunderstanding.
- Rugged, tamper-resistant materials.
- Quality electronic design and engineering
- Simple, one-person installation.
- Self-powered with rechargeable battery option.
- Fast plug-in recharge.
- Bullet-resistant option.*
- Export models available.
- Units available for ADA applications.
- Made in U.S.A.

3. **TTU-1AC** Same as **TTU-1A-X** but without gooseneck microphone. Headset sold separately
4. **TTU-1AC-X** Same as **TTU-1A-X** but without gooseneck microphone. Headset and **C99-X** gooseneck microphone sold separately
5. **TTU-1D-X** Complete for 12VDC operation. Battery pack and built-in charger included.
6. **TTU-1DB-X** Same as **TTU-1D-X** but with bullet-resistant option*

Talk-Thru systems are shipped complete with mounting hardware, instructions, and power supply (AC operated unit), or charger (battery operated unit).

*** Bullet-resistant shield rated up to .357 Magnum service loads. Higher level bullet resistant shields available (call for pricing / availability).**

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