



### TTU-2 Multiple-Station 2-Way Talk-Thru Electronic Communication System

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

Today's self-service gas stations, drive-in restaurants, and other multiple-access location business offer great convenience and cost-savings. But the convenience and cost-saving are all but lost when the attendant and customers cannot communicate easily and clearly.

With an Alpha Communications®/Norcon TTU-2 Talk-Thru communication system on the job, poor communication is not allowed to get in the way of business. The TTU-2 allows a single attendant to communicate easily with customers in multiple locations. And it facilitates orderly management of customer traffic flow.

### How It Works...

The TTU-2 is a duplex communication system. This means the customer and the attendant can talk and listen simultaneously. The system is comprised of a basic (Norcon) patented TTU-1 unit, a monitoring speaker, a selector station, and up to 10 island speaker/microphone units as needed.

The customer alerts the booth attendant by pushing a button at the remote island location. Once the attendant selects the calling station on his selector unit, two-way conversation can begin.

The system provides clear communication even in environments with high ambient noise, shaping the sound for maximum

intelligibility. Its compression circuitry decreases loud, annoying sounds. An optional monitoring speaker can be located, for example, in the manager's office.

### How To Install...

The basic booth microphone/speaker unit (TTU-1) is easy to install. All that's needed is a 3 to 4 in. cutout in the barrier wall. Four (4) fasteners and two rubber gaskets needed for mounting are supplied. Specify barrier thickness.

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.

The operator's selector unit is placed inside the attendant's booth. The remote island speakers are surface-mounted at the various customer/user location.

The selector unit in the attendant's booth is connected using multicore cable to the island speaker locations and to the supplemental monitoring speaker.

The TTU-2 uses a continuous-duty, 117-Volt AC power supply which is stepped down to 12 Volts.

## SPECIFICATIONS

### MECHANICAL

#### Booth Unit

1. Outside face plate:  
Solid aluminum, anodized finish, tamper-resistant
2. Control housing (inside):  
Machined aluminum, anodized finish, tamper-resistant
3. Size:  
Outside face plate - 5.00" dia x 0.50" D  
Inside control housing -  
5.00" dia x 3.50" D  
Microphone and gooseneck 18 in.
4. Weight:  
4.00 lbs.
5. Mounting:  
Partition hole 3 to 4 in. dia. (3.50" recommended) Specify barrier thickness when ordering
6. Panel controls:  
Listen volume, talk, volume, on-off switch

#### 5-Position Selector Unit

4.00" H x 6.75" W x 7" D  
High-impact styrene and aluminum. Weight  
3.50 lbs.

#### 10-Position Selector Unit

4.00" H x 12.50" W x 7" D  
High-impact styrene and aluminum. Weight  
5.00 lbs.

#### Island Speaker

Call origination with momentary push button.  
High-efficiency compression driver, die cast  
and water sealed. 4.00" H x 4.50" W x 4.25" D

#### Monitoring Speaker

Call origination, privacy and monitor switches.  
6.675" H x 4.875" W x 4.125" D

### ELECTRONIC

#### Booth Unit

1. Audio frequency response:  
Selectively shaped for maximum voice intelligibility
2. Audio power:  
2 watts per amplifier
3. Distortion:  
Less than 2%
4. Listen mode:  
20 dB compression
5. Talk mode:  
Duplex
6. Microphones:  
Low-Z dynamic and electret
7. Power supply / charger:  
Input: 120 VAC, 60 Hz  
Output: 12 VDC, 175mA

## FEATURES

- Clear, 2-way hands-free voice communication (duplex).
- Avoids shouting, repetition, misunderstanding.
- Rugged, tamper-resistant materials.
- Booth unit: 2-way hands-free.
- Island unit: Accessed from speaker selector unit.
- Bullet-resistant option.\*
- 5- or 10-position selector unit available.
- Export models available.
- Made in U.S.A.

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.*

Talk-Thru is a trademark of Norcon Communications Inc.

*Due to continuous product improvement, all colors, sizes, materials, finishes and specifications are subject to change without notice.*