



SECURE-TECH

DETENTION ELECTRONIC SYSTEMS

ETECH CONTROLS CORPORATION - MANUFACTURER
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MODEL CP100 SERIES

CONTROL PANEL KITS

FEATURES:

- 2.5" (63.5mm) SPEAKER
- MICROPHONE
- VOLUME CONTROL
- 25 VOLT TRANSFORMER AVAILABLE
- HC-0826 AMPLIFIER COMPATIBLE
- 2 YEAR WARRANTY

FUNCTIONAL DESCRIPTION:

The control panel kits compliment the HC-0826 Intercom Amplifier and may also be used with other manufacturers amplifiers.

SPEAKER: TSP-25 TSP-25-8

The 2.5" (63.5mm) diameter weather resistant, speaker / microphone has a 1.1 oz (34.2 g) barium ferrite ceramic magnet and is rated 4 watts @ 45 ohm with a frequency response from 200 to 8000 hz. All ferrous material has a corrosion resistant finish. A black finished perforated steel speaker grill is provided. 45 or 8 ohms.

The speaker footprint is 2.53" (64.26mm) square. The four mounting holes are located at the corners of a 2.06" (52.32mm) square.

MICROPHONE: MIC-2

The electret microphone is omnidirectional and has a frequency response of 20Hz to 16Khz. Sensitivity is -42dB ± 3dB. Signal to noise ratio is greater than 60dB. Operating voltage is 4.5 to 10 maximum. Current draw is 0.8ma. A rubber slip-mount with two mounting hole ears is provided.

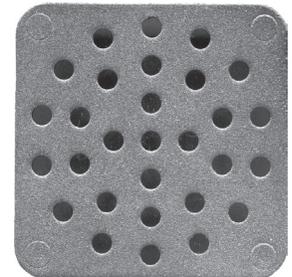
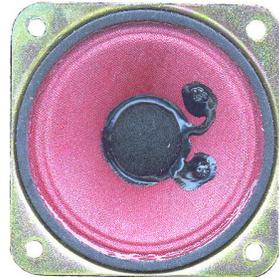
STAINLESS STEEL PUSHBUTTON: TPB-037

OPTIONAL

Low profile, marine grade stainless steel, 22 mm diameter, 1A 50 volt, screw terminals, front panel sealed to Specification IP68, SPST, available with imbedded LEDs. Mounting hole 19mm, when used as a PTT retrofit, will fit .75" square, hole, use ring washer if necessary.

VOLUME CONTROL:

The volume control potentiometer is 500 ohms at a minimum 2 Watts @ and includes an operating knob.



GRILLE:

OPTIONAL

GRILL-PNL

The speaker grille is black powder-coated aluminum sheet, with twenty-nine 3/16" diameter sound transmission holes, measuring 2.5" square by 0.08" thick, and includes four embedded 6-32UNC by 1" long studs .

The grille mounts on the face side of a control panel, with the four studs extending through the panel. The speaker mounts onto the four studs from the backside. Provide a 2-1/4" diameter speaker hole and four 3/16" diameter stud clearance holes in the facepanel.

MODELS - CP Series Kits - Typical:

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|------------|--|
| CP105 | 45 ohm speaker, electret microphone, 500 ohm 2 watt volume potentiometer with Knob |
| CP106 | 8 ohm speaker, electret microphone, 500 ohm 2 watt volume potentiometer with Knob. Standard with the HC-0826 |
| GRILLE-PNL | Grille for 2.5" diameter speaker - with tamper screen - Optional |

TAMPER RESISTANT PUSH BUTTON - Optional PTT

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|---------------|---|
| LC-TPB-037 | Stainless Steel, PUSH-TO-TALK, Intercom station CALL-IN |
| LC-TPB-037-x | x = DOT/LED R-RED, Y-YELLOW G-GREEN, B-BLUE (2 volt) |
| LC-TPB-037-xR | x = RING/LED RR-RED, YR-YELLOW |
| LOW | GR-GREEN, BR-BLUE (2 volt) |

