

# MACKENZIE

## Passenger Emergency Communication Station

Two Way Panel  
for Emergency  
Communications

### Key Features:

- Self Contained Waterproof Speaker & Microphone
- Tamper resistant Piezo switch
- Status Indicator
- Stainless Steel Front Panel with Blind Mounting

The Passenger Emergency Communications unit(PEC), allows passengers to open a communications link with the operator when an emergency situation arises. The PEC is an independent intercom system which signals the operator, then provides two way communication until the operator ends the session.

The PEC panels are designed to interface with an In Car Communication Unit(ICCU) which arbitrates the communications between the PEC panels and the Head End Controller(HEC) located in the locomotive or cab car.



### Specifications

#### Electrical Specifications

Input Voltage: 15VDC  
Current requirement: 0.6A, estimated  
Fuse: 1A, Self resetting

#### Audio Specifications

Microphone sensitivity: -44dB, 0dB = 1V/Pa  
Frequency response: 100Hz to 7kHz, +/-1dB  
THD: <0.1%  
Signal to noise ratio: 55dB

#### Communications Specifications

To ICCU RS485, 115.2K, 8, N, 1

#### Power amplifier

Output power: 2W  
Frequency response 50Hz to 15kHz  
THD: <1%

#### Mechanical Specifications

Size: 6" W x 10"H x 3" D  
Weight: 4 pounds  
Material: Brushed Stainless Steel 0.10  
Mounting: Threaded mounting studs, #10-32

#### Number of Panels Supported

Per ICCU: Eight  
Per System: Virtually unlimited, dependent on number of ICCU's.

Specifications and Pricing are subject to change without notice

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