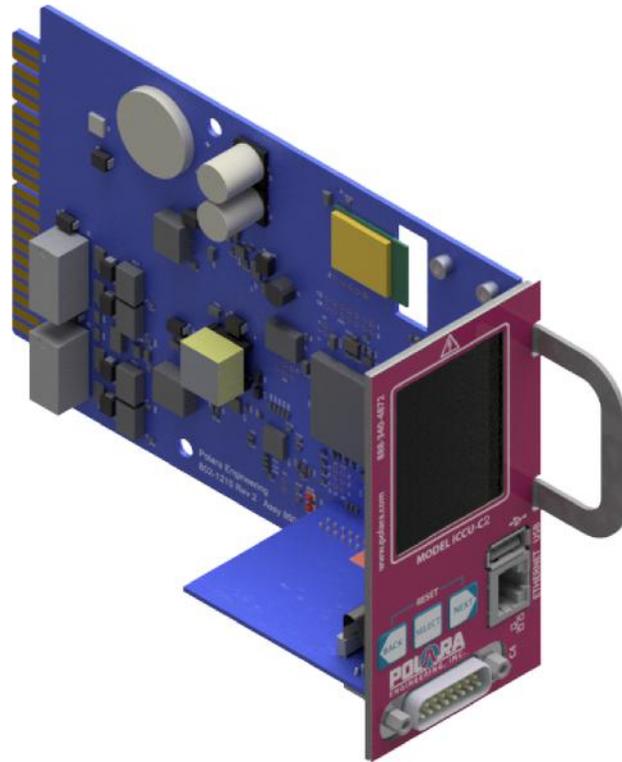# iCCU-C2: iNtelligent Central Control Unit Rack Mount Card

The iCCU-C2 is designed for use in Cal-Trans or 300 Series cabinets and is the intelligent control unit for Polara's iN2/iNS2 accessible push button stations (PBS). The system is provided with a special cable adapter which detects the low voltage pedestrian load switch control signals present on the C4 connector. The special cable adapter (PN 850-382) connects between C4S and C4P and routes to the iCCU-C2 front panel. The iCCU-C2 installs in the input file in place of the typical pair of Type 242 isolators used for pedestrian detection. A separate interconnect board (PN iN2-ICB-C, sold separately) facilitates connection of up to 16 PBSs. Each PBS requires only two wires. All PBSs connect in parallel and do not have a polarity requirement. A required power supply (PN: iN2-150WPS-C, sold separately) connects to the interconnect boards to power the PBSs.

The iCCU-C2 front panel includes a backlit LCD for displaying system status information. Front panel buttons are used during setup, placing test calls, and to enable Wi-Fi. All setup functions can be perfored via Ethernet or Wi-Fi using a PC. Setup and configuration is also supported using an iPhone, iPad or Android device via Wi-Fi. In addition, configuration via Bluetooth is supported by pairing with any connected PBS using a PC with an iN-DGL (purchased separately), or iOS/Android mobile device. All of the connection options provide full access to setup and configuration of both the iCCU-C2 and all connected PBSs. Polara provides free apps for Windows PCs (Windows 7+), iOS (9.0+) devices, and Android (5.0+) devices.

Multiple configurations are supported, with the ability to change operational features based on time of day. The system has downloadable internal conflict monitoring and health log data capture that contains extensive status/fault reporting. Remote Monitoring can be done over Ethernet.

Ped Walk/ Don't Walk Inputs:
  0-24 VDC (active low)
Ped Call Outputs:
  Optically isolated 36 Volts AC/DC peak
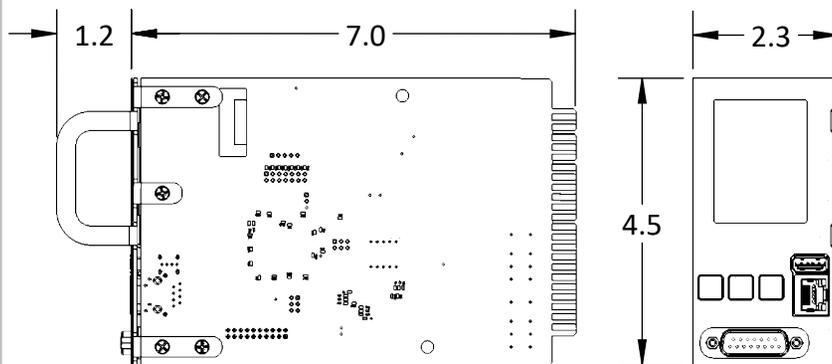 300 mA Solid State Fused Contact Closure
Environmental:
  Operating: -34 ˚C (-30 ˚F) to +74 ˚C (+165 ˚F) - LCD temperature range is limited to -20 ˚C to +70 ˚C
  Storage: -45 ˚C (-50 ˚F) to +85 ˚C (+185 ˚F)
Warranty: 3 year limited

Notes:

1. **The iCCU-C2 is compatible with Cal-Trans TEES and 300 series cabinets with a standard C4 connection to the output file.**

2. **Preempton messaging through the APS system is not available on this unit.**

1.2   7.0   2.3

4.5

Dimensions are in inches.