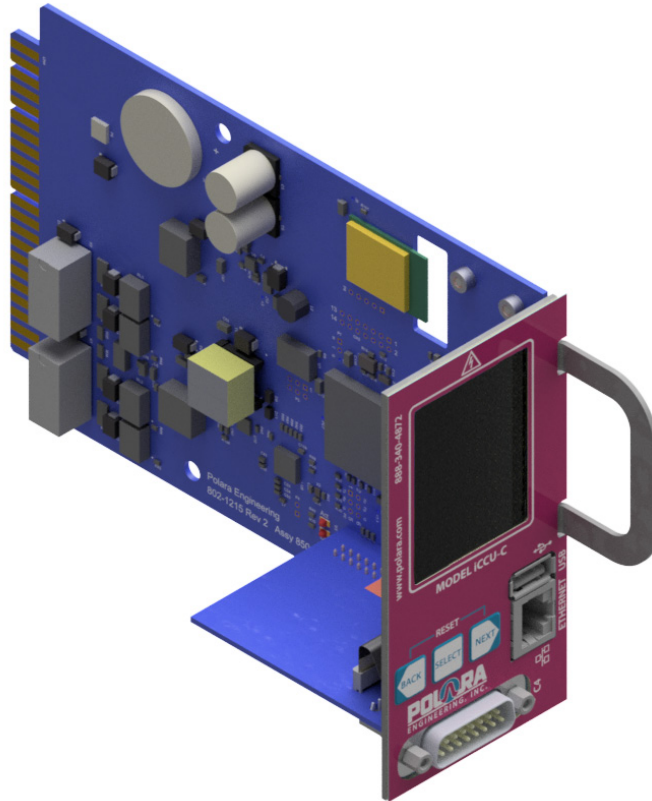


iCCU-C – INTELLIGENT CENTRAL CONTROL UNIT RACK MOUNT CARD



The iCCU-C is designed for use in Cal-Trans or 300 Series cabinets and is the intelligent control unit for Polara's iN2 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 (P/N: 850-382) connects between C4S and C4P and routes to the iCCU-C front panel. The iCCU-C installs in the input file in place of the typical pair of Type 242 isolators used for pedestrian detection. A small interconnect panel (P/N: iN2-ICB-C) provides connection to 16+ PBSs. Each iN2 PBS requires only two wires. All PBSs connect in parallel and do not have a polarity requirement. A required separate power supply (P/N: iN2-150WPS-C) connects to the interconnect panel to power the iN2 PBSs.

The iCCU-C 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 performed via Ethernet or Wi-Fi using a PC. Setup is also supported using an iPhone or iPad via Wi-Fi. In addition, configuration via Bluetooth is supported by pairing with any connected iN2 PBS using a PC, iPhone, or iPad. All of the connection options provide full access to setup and configuration of both the iCCU-C and all connected iN2 PBSs. Polara provides free apps for both Windows PCs (Win 7+) and iOS (8.0+) devices.

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

Ped Walk / Don't Walk Inputs:

0 – 24 VDC (Active Low)

Ped Outputs:

Optically Isolated 36 Volts AC/DC peak
300mA Solid State Fused Contact Closure

Environmental:

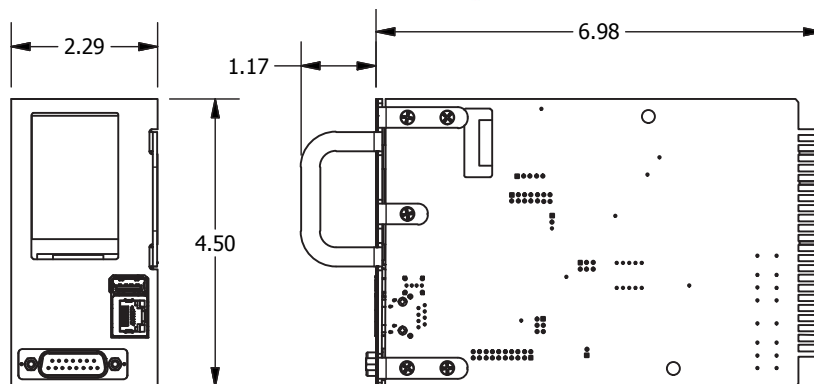
Operating: -34°C (-30°F) to +74°C (+165°F)*
Storage: -45°C (-50°F) to +85°C (+185°F)

Warranty: 3 year limited

*The LCD temperature range is limited to -20°C to +70°C operational.

Notes:

1. The iCCU-C is compatible with Cal-Trans TEES and 300 Series cabinets with a standard C4 connection to the output file.
2. Preemption messaging through the APS system is not available on this unit.



Dimensions are in inches. All dimensions are reference only and subject to change without notice.