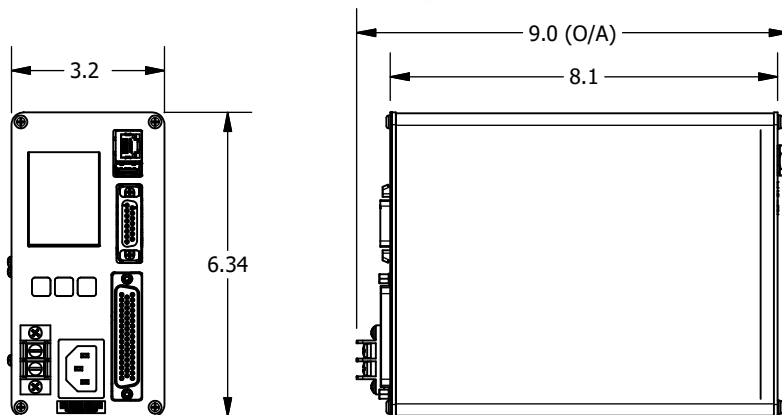
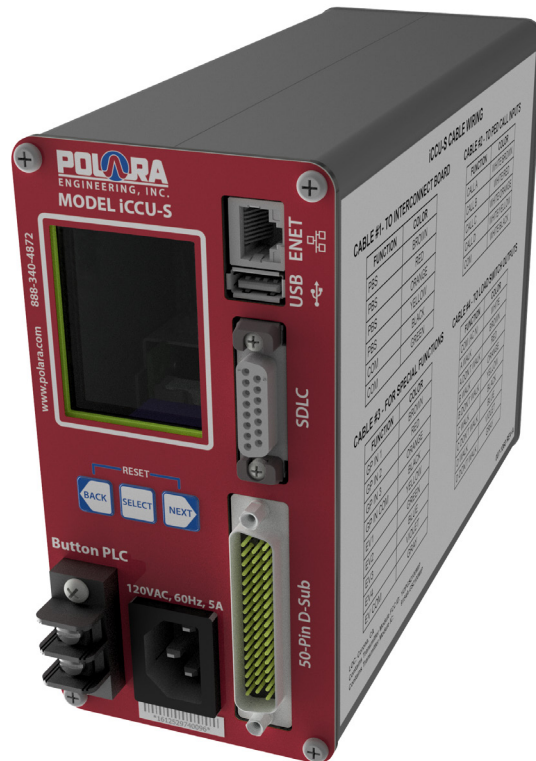


## iCCU-S – INTELLIGENT CENTRAL CONTROL UNIT FOR SHELF MOUNT



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

The iCCU-S is designed for use in any style traffic cabinet and is the intelligent control unit for Polara's iN2 accessible push button stations (PBS). The system is used with a small interconnect panel (P/N: iN2-ICB) to allow connection to 16+ PBSs. It supports SDLC communications for accessing pedestrian signal status. It can also be used to upgrade existing Polara CCU2EN installations without replacing the cable harness. Each iN2 PBS connects with two wires. All PBSs connect in parallel and do not have a polarity requirement.

The iCCU-S 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 options of both the iCCU-S 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. General purpose inputs are available for options such as a voice message on emergency vehicle preemption. 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:

Optically Isolated 80 – 150 Volts AC/DC, 5mA max.

### Optional SDLC:

P/N: iN2-SDLC-YCABLE for 4 ft. "Y" Cable (order separately if needed)

P/N: iN2-SDLC-CABLE for Straight Cable (order separately if needed)

### Ped Outputs:

Optically Isolated 36 Volts AC/DC peak

300mA Solid State Fused Contact Closure

### PBS Power Output:

Nominal 24 Volts DC, Short Circuit Protected - Auto Recovering

### General Purpose Inputs:

10 – 36 Volts AC/DC peak, 10mA max, Optically Isolated

### 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.