

## 50PINADP – iCCU-S2 Cable Adapter for iCCU-S 50 Pin 4-Cable Harness

Polara's iCCU-S Central Control unit was designed to connect to the traffic cabinet via a single 50-Pin, 4-cable harness assembly. The iCCU-S has been replaced by the iCCU-S2 which is designed to connect via up to 4 separate cable assemblies as needed.

Many cabinets have a 50-Pin cable harness installed, with the vast majority of them using just Cable #4 (to connect to PED Head load switch terminals), and Cable #2 (to connect to PED Input terminals). It would be a significant labor effort to rewire the cabinet to the cables necessary (CABLE-A and CABLE-C) for the same functions on an iCCU-S2.

This adapter plugs into the 50-Pin cable harness and makes the same connections via the Cable A & C terminal locations on an iCCU-S2, allowing for a quick swap out of an iCCU-S with an iCCU-S2, without having to redo any of the wiring (if using just Cables 2 & 4 on a 50-Pin cable harness).

This cable adapter does not support Preemption, or General-Purpose Input functions. If a cabinet has a 50-Pin cable harness installed and Cable #3 for Preemption and/or General Purpose Inputs is used; then Cables B (Preemption) or D used with the iCCU-S2 would need to be purchased and wired separately.

**Note:** This cable is not compatible with running an iCCU in **BIU/SDLC** Mode. If an iCCU-S2 is converted to run in **BIU/SDLC** Mode, this adapter should be removed and a CABLE-C-LG must be installed.

### CABLE-A: iCCU-S2 Cable for Ped Head Load Switches

This is a nine wire cable that connects the iCCU-S2 to the Ped head load switches in a traffic cabinet. One end has a connector that plugs into the Cable A location on the front of an iCCU-S2, and the other end of the 9 conductor cable (mated via the 50PINADP) connects to the Ped load switches in the traffic cabinet.

### CABLE-C: iCCU-S2 Cable for Ped Inputs

This is a five wire cable that connects the iCCU-S2 to the ped inputs in a traffic cabinet. One end has a connector that plugs into the Cable C location on the front of an iCCU-S2, and the other end of the 5 conductor cable (mated via the 50PINADP) connects to the Ped Inputs in the traffic cabinet.



**50PINADP (Cables A & C for iCCU-S2)**