



# iNS Hardware

## Order/Configuration Form

### Do you want a 2-Wire, Central Control System?

(Requires 2 button wires to each button on the pole. A Central Control Unit resides in the cabinet and provides power and data to the push button stations via the 2 button wires. **Please check button and hardware quantities as this form is only intended as a general guide to assist in determining unique items needed for an iNS system.**)

### Do you want a 3-Wire, Ped Head based System?

One system, nothing in traffic cabinet – no central communication). The push button station receives power and Ped Interval timing from a Ped Head Control Unit. Great for pre-timed/non-actuated systems without button wires. Each push button comes with terminals for button call wires to place calls.)

### 2-Wire Questions (Central Control System)

1. What is the type of controller/cabinet?

CHOICE

NEXT STEP


### Options To Order (2-Wire Systems)

- A. (1) iCCU-S2, (1) ACCP      This Option "A" ACCP = Any Cabinet Cable Package configuration is designed to work with all cabinet styles.**
- B. (1) iCCU-S2, (1) SDLCCP    This Option "B" SDLCCP = SDLC Cable Package configuration is designed to work with TS2 controllers/cabinets.**
- C. (1) iCCU-C2, (1) iN2-ICB-C, (1) iN2-C4CABLE-C, (1) iN2-150WPS-C**

2-Wire System Order Box  
(from 2-Wire Questions)

### Description of Each Part Number (2-Wire Systems)

- iCCU-S2                      Shelf mount Control Unit. Standard/BIU Mode (Includes Power Cord, BTN-PLC-CABLE)
- ACCP                         Any Cabinet Cable Package (Includes Interconnect Board, Cable A & Cable C)
- SDLCCP                     SDLC Cable Package (Incl: Interconnect Board, "Y" Splitter SDLC Cable, Cable C & Cable A (backup))
- iN2-ICB                      Interconnect Board for use with iCCU-S2
- BTN-PLC-CABLE            2-Wire PLC Cable that connects to front terminal block of iCCU-S2 and goes to the iN2-ICB. One (1) is supplied with every iCCU-S2.
- 811-222                      Cable A - Cabinet Load Switch Outputs (Ped Interval Timing)
- 811-223                      Cable B - Preemption Inputs (EV 1,2,3,4) <sup>Note1</sup>
- 811-224                      Cable C - Cabinet Ped Call Inputs (Channels ABCD)
- 811-225                      Cable D - General Purpose Inputs (1,2,3) <sup>Note1</sup>
- iN2-SDLC-YCABLE         SDLC "Y" Cable (Splitter Type)
- iN2-SDLC-CABLE          SDLC Cable (Straight Type)

**Note1: If Preemption is needed, add (1) Cable B (811-223) to your order. If you need General Purpose Inputs, add one (1) Cable D (811-225) to your order.**

- iCCU-C2                      Rack mount 300 series Control Unit with C4-Y cable (splitter)
- iN2-ICB-C                    Interconnect Board for use with iCCU-C2
- iN2-C4CABLE-C            C4-Y Cable for use with iCCU-C2
- iN2-150WPS-C              150W, 24VDC Supplemental Power Supply (iCCU-C2 Only)

### 3-Wire Questions (Ped Head System)

1. How many Push Button Stations (PBS)?

**iPHCU3S** (Ped Head Control Unit. One per PBS required)

A 3-conductor cable is needed for each installed iPHCU3S to connect it to the Push Button Station. Because the distance from the Push Button location to the corresponding PED Head can vary for each Push Button location, you may need different lengths on an intersection. Polara offers 3 different lengths.

Select the proper length for each iPHCU3S you order (**Qty of cables should equal number of PBSs/iPHCU3Ss**):

- iN3-CABLE-12** 12 foot length    Qty Needed \_\_\_\_\_
- iN3-CABLE-25** 25 foot length    Qty Needed \_\_\_\_\_
- iN3-CABLE-50** 50 foot length    Qty Needed \_\_\_\_\_

Total Cables \_\_\_\_\_ Remaining Cables Needed \_\_\_\_\_

3-Wire System Order Box  
(from 3-Wire Questions)

# Custom Voice Message/Braille Detail Sheets - for Polara to record & load into ordered Push Buttons

No charge if ordered Online - End User to load into Push Buttons via Bluetooth - go to [www.polara.com/audio-library](http://www.polara.com/audio-library)

(Please fill out applicable fields in TYPED format. Only TYPED forms will be accepted.)

## Voice on Location (VOL) and Walk Message & Braille

Please give phonetic pronunciation for voice messages on difficult street names to ensure they are recorded properly. Note that unless Street, Drive, Avenue, etc. are necessary for intersection identification, it is recommended to omit them.

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Qty

VOL: **Wait to Cross** at **Wait**  
(Street Being Crossed) (Intersecting Street)

Walk Message: **Walk sign is on to cross**  
(Street Being Crossed) (Street Being Crossed)

Arrow Direction (R/L) Street Name Being Crossed in BRAILLE  
- Braille Only - Custom Text Only - Braille & Cust. Text

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