

# **BiNTRAC<sup>®</sup>**

## *Installation and Operation Manual*

### *HouseLINK HL-10C*



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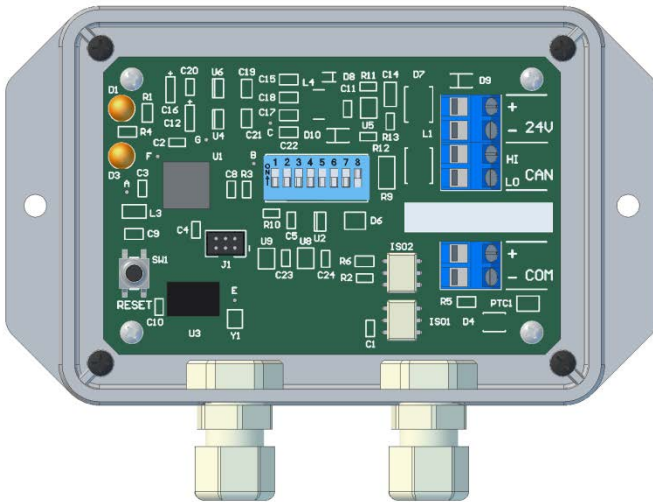
## INSTALLATION

### DESCRIPTION

The HouseLink HL-10C provides a CAN Bus interface to the Big Dutchman® VIPER Control.

The HouseLink HL-10C is designed to be used with the BinTrac Bin Weighing system. One HouseLink HL-10C can be connected to only one BinTrac indicator and can connect with a maximum of four bins.

1. The HouseLink HL-10C should be mounted no more than 10 feet from the Viper control.
2. Using a two-conductor cable (ordered separately), connect the GREEN wire from the Smart Summing Box to the +COM terminal in the HouseLink HL-10C and the White wire from the summing box to the -COM terminal in the HouseLink HL-10C.
3. Connect the HouseLink HL-10C to the VIPER control by connecting the CAN (HI) to the CAN (HI) terminal and the CAN (LO) to CAN (LO) terminal of the house control.
4. Finally, connect the 24V (+) from the HouseLink HL-10C to the 24V (+) of the VIPER control and the 24V (-) from the HouseLink HL-10C to the 24V (-) of the VIPER control.



HL-10C Interface	<i>BinTrac Indicator</i> (BINS Port)
+COM (OUT)	+ SIG (GREEN wire)
-COM (OUT)	- SIG (WHITE wire)
HL-10C Interface	<i>VIPER Control</i>
CAN (HI)	CAN (HI)
CAN (LO)	CAN (LO)
24V (+)	24V (+)
24V (-)	24V (-)

Table 1

## INSTALLATION (continued)

- The unit has an (8) position dip switch that need to be set up for configuration. Switches 1-7 are not used and switch 8 needs to be ON to turn on the termination resistor. All switches are set to OFF at the factory.

DEFAULT Switch Configuration:

SWITCH 1	SWITCH 2	SWITCH 3	SWITCH 4	SWITCH 5	SWITCH 6	SWITCH 7	SWITCH 8
OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF

Table 2

### BinTrac Indicator *Setup*

The BinTrac Indicator must be set up for peripheral devices. Access the SETUP menu on the BinTrac Indicator by pressing and holding the BIN key for approximately 10 seconds until SETUP is displayed on the screen, release BIN key. With SETUP displayed, press the BIN key until BIN D is selected. Use the UP/DOWN arrow to enable peripheral devices (BIN D is solid ON).

The Bin LEDs indicate configuration options as being enabled (solid on) or disabled (flashing).

Bin A - Configures BinTrac Monitor as a Remote Display.

Bin B - Enable ASCII Serial Communications Command Set

Bin C - Enable Weight Broadcast.

Bin D - Enable communications to peripheral devices.

This must be enabled when BinTrac Indicator is connected to the HouseLink HL-10C.

## LED OPERATION

### CAN Bus Status LED:

SLOW FLASH - This indicates the unit is communicating and operating normally.

STEADY ON - This indicates the unit is not communicating but has power.

NO LIGHT - The unit doesn't have an adequate power source

### BinTrac Status LED:

SLOW FLASH - This indicates the unit is communicating and operating normally.

FAST FLASH - This indicates the unit is in TEST mode.

STEADY ON - This indicates the unit is not communicating but has power.

NO LIGHT - The unit doesn't have an adequate power source

## TESTING and CALIBRATION

### Reset/Test button:

Once the unit is wired up properly, the unit can be put into one of five test modes. These modes are useful when setting up and testing with the VIPER controller.

Test 1 - Press the Reset/Test button on the board once and the unit will output 0% full scale weight.

Test 2 - Press the Reset/Test button on the board twice and the unit will output 25% full scale weight.

Test 3 - Press the Reset/Test button on the board three times and the unit will output 50% full scale weight.

Test 4 - Press the Reset/Test button on the board four times and the unit will output 75% full scale weight.

Test 5 - Press the Reset/Test button on the board five times and the unit will output 100% full scale weight.

Pressing the test button a sixth time will return the unit to normal operations. If the unit is left in test mode, it will automatically return to normal operation mode after five minutes.

### IMPORTANT:

The following two settings must be configured properly on the VIPER to allow for accurate weight communication with BinTrac Weighing system.

1. Set Calibration value to same value as total Loadcell Capacity setting in BinTrac.
2. Set Offset value to "0"



*For complete installation and setup of the VIPER Control, please consult your VIPER User Manual.*

## OPERATIONAL SPECIFICATIONS

CAN Bus version:	Compatible with ISO 11898 STANDARDS
Operating Temperature Range:	-40°C to +60°C (-40°F to +140°F)
Operating Voltage Range:	10.5 VDC to 27.0 VDC
Humidity:	5% to 95% (non-condensing)
Environmental Air:	No corrosive gasses permitted
Enclosure Type:	Non Sealed
Wiring Type:	Screw terminal blocks

WIRING DIAGRAM

