



Saleslink Stacker

Tech Guide

WASHLINK SYSTEMS

Saleslink Stacker

This document provides comprehensive information for using the Saleslink Stacker (SS).

The SS gives the ability stack sold washes and options from the Washlink Systems Saleslink Point of Sale System and send the wash and option information to non-Washlink Systems Equipment Controllers

When emailing or calling for assistance, you must have the following information available:

Location Name: _____

Contact Person: _____

Contact Phone: _____

Distributor Name: _____

COPYRIGHT

2013 Washlink Systems. All rights reserved.

THIS DOCUMENT IS THE EXCLUSIVE PROPERTY OF WASHLINK SYSTEMS AND IS PREPARED ONLY FOR USE BY THE COMPANY PURCHASING THE EQUIPMENT. EDITING, COPYING, DISTRIBUTING, AND/OR SELLING THIS DOCUMENT IS STRICTLY PROHIBITED WITHOUT PRIOR WRITTEN CONSENT FROM WASHLINK SYSTEMS. WASHLINK SYSTEMS RESERVES THE RIGHT TO EDIT THIS DOCUMENT IN ANY MANNER DEEMED NECESSARY, AT ANY TIME, AND WITHOUT PRIOR NOTICE.

Table of Contents

1. Features..... 3

2. Installation..... 4

 2.1 Power Requirements..... 4

 2.2 Input Requirements 4

 2.3 Output Requirements 4

3. Panel Build Information..... 5

 3.1 Wiring Cover 6

 3.2 PLC Wiring 7

 3.3 Panel Layout 8

1 Features

Features of Washlink Systems Saleslink Stacker:

The ability to stack and send package & option information to equipment controller.

The ability to park and re-insert vehicles in the stack.

Send equipment Start/Stop/Roller Raiser and Wet Down to tunnel controller.

Adjustable Stack Size.

Minimum car length to prevent false vehicles being removed from the stack.

Ability to add external send car devices, tire switches, buttons etc.

Control up to 10 wash packages and 10 options.

Seamless integration to Washlink Systems Saleslink Point of Sale System.

Industrial Siemens PLC for years of trouble free service.

Works on ALL brands of car wash equipment and tunnel controllers.

UL Listed and CE compliant.

2 Installation

The Washlink Systems SS should be mounted securely to a stable and permanent wall. Choose a location in the equipment room that is in close proximity to equipment controller, easily accessible and provides protection from the elements.

2.1 Power Requirements

The Washlink Systems SS requires a 100-240vac 50/60Hz (15A max) branch circuit protection for PLC.

This power circuits is provided by the customer.

This circuits should be connected to **Fuse 101 PLC**.



Warning: All electrical work should be performed by a qualified and licensed electrician.
All electrical work should meet or exceed National and Local codes and ordinances.



Warning: Risk of electrical shock.
More than one disconnect may be required to be de-energized before servicing equipment.



Warning: To reduce the risk of fire, connect only to a 110-230vac circuit provided with 15a maximum branch circuit protection in accordance with the NEC, ANSI/NFPA 70 and local codes.



Warning: Bonding between conduit connection is not automatic and must be provided as part of the installation.

2.2 Inputs

The SS Input power is supplied by the PLC.

All inputs are 0vdc normally open.



Warning: All Inputs are 0vdc.
Any other voltage will damage the Controller and void warranty.



Note: An interface relay may be needed to give the correct input contact type

2.3 Outputs

Each of the SS outputs have a SPST N.O. isolation relay internal to the PLC.

The green indicator light on each output will be illuminated when coil power is present.

There is 1 common for the 16 outputs, if an additional power source is needed, consult factory.

Customer is responsible for the power being ran trough the output relays to the equipment controller inputs.

3 Panel Build Information

The next pages show panel build information, they will show the following;

- PLC internal wiring
- Expansion module internal wiring
- Ethernet module
- Inside layout

PAGE	DESCRIPTION
0	COVER SHEET
1	PLC WIRING
2	PANEL LAYOUT
3	
4	
5	
6	
7	
8	

REV	BY	DATE	DESCRIPTION
1.0.1	MTS	12/03/07	FOR APPROVAL

NOTES:

1. STANDARD SUPPLY VOLTAGE IS 120VAC 60Hz. OPTIONAL INTERNATIONAL VOLTAGE KIT AT 220VAC 50Hz IS AVAILABLE UPON REQUEST.
2. WASHLINK SYSTEMS RECOMMENDS INDIVIDUAL HOUSE PANEL CIRCUIT. (120VAC 15A or 220VAC 10A MAXIMUM.)
3. CIRCUIT CONFIGURED TO CUSTOMER'S VOLTAGE REQUIREMENTS. **VERIFY VOLTAGE PRIOR TO STARTUP OF EQUIPMENT. (IF 24VDC, NO FUSING IS PROVIDED.)**
4. ILLUMINATED LED INDICATES BLOWN FUSE.
5. WASHLINK SYSTEMS RECOMMENDS AWG 18 STRANDED COPPER WIRE FOR CIRCUITS LESS THAN 200 FEET.
6. GROUNDING OF 24VAC NEUTRAL AT TRANSFORMER ENSURES PROPER CIRCUIT ISOLATION.
7. **TO AVOID RISK OF FIRE AND INJURY REPLACE ONLY WITH MANUFACTURER'S ORIGINAL RATED FUSE.**
- 8.
9. CUSTOMER SUPPLIED HARDWARE.



**ALL ELECTRICAL WORK SHOULD BE PERFORMED BY A QUALIFIED AND LICENSED ELECTRICIAN.
ALL ELECTRICAL WORK SHOULD MEET OR EXCEED NATIONAL AND LOCAL CODES AND ORDINANCES.**



CAUTION! RISK OF ELECTRICAL SHOCK. MORE THAN ONE DISCONNECT MAY BE REQUIRED TO BE DE-ENERGIZED BEFORE SERVICING THE EQUIPMENT.



CAUTION! TO REDUCE THE RISK OF FIRE, ONLY CONNECT TO A 120VAC CIRCUIT PROVIDED WITH 15A MAXIMUM BRANCH CIRCUIT PROTECTION IN ACCORDANCE WITH THE NEC, ANSI/NFPA 70 AND LOCAL CODE AUTHORITIES.



CAUTION! BONDING BETWEEN CONDUIT CONNECTION IS NOT AUTOMATIC AND MUST BE PROVIDED AS PART OF THE INSTALLATION.

LEGEND

BK - BLACK (120/220VAC HOT)
BK/OE - BLACK W/ ORANGE TRACE (120/220VAC CONTROL CIRCUIT)
BK/YW - BLACK W/ YELLOW TRACE (120/220VAC CONTROL CIRCUIT)
WE - WHITE (120/220VAC NEUTRAL)
RD - RED (24VAC CONTROL CIRCUIT)
WE/RD - WHITE W/ RED TRACE (24VAC NEUTRAL)
BE - BLUE (24VDC POSITIVE)
WE/BE - WHITE W/ BLUE TRACE (0VDC or 24VDC COMMON)
BN - BROWN (CONTROL CIRCUIT)
OE - ORANGE (CONTROL CIRCUIT)
YW - YELLOW (CONTROL CIRCUIT)
PE - PURPLE (CONTROL CIRCUIT)
WE/BN - WHITE W/ BROWN TRACE (CONTROL CIRCUIT)
WE/OE - WHITE W/ ORANGE TRACE (CONTROL CIRCUIT)
WE/YW - WHITE W/ YELLOW TRACE (CONTROL CIRCUIT)
WE/PE - WHITE W/ PURPLE TRACE (CONTROL CIRCUIT)

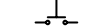
FIELD WIRING
ENCLOSURE WIRING _____



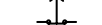
ENCLOSURE CONVENIENCE TERMINAL



FUSE HOLDER



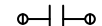
MOMENTARY N/O PUSH BUTTON



MAINTAINED N/C PUSH BUTTON



RELAY COIL



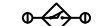
RELAY CONTACT N/O



LEVEL SWITCH N/C



PHOTO EYE N/O



PROXIMITY SWITCH N/O



LIMIT SWITCH N/O

NOT TO SCALE



18805 adams court #110
morgan hill ca 95037
+1.408.924.0808
washlinksystems.com

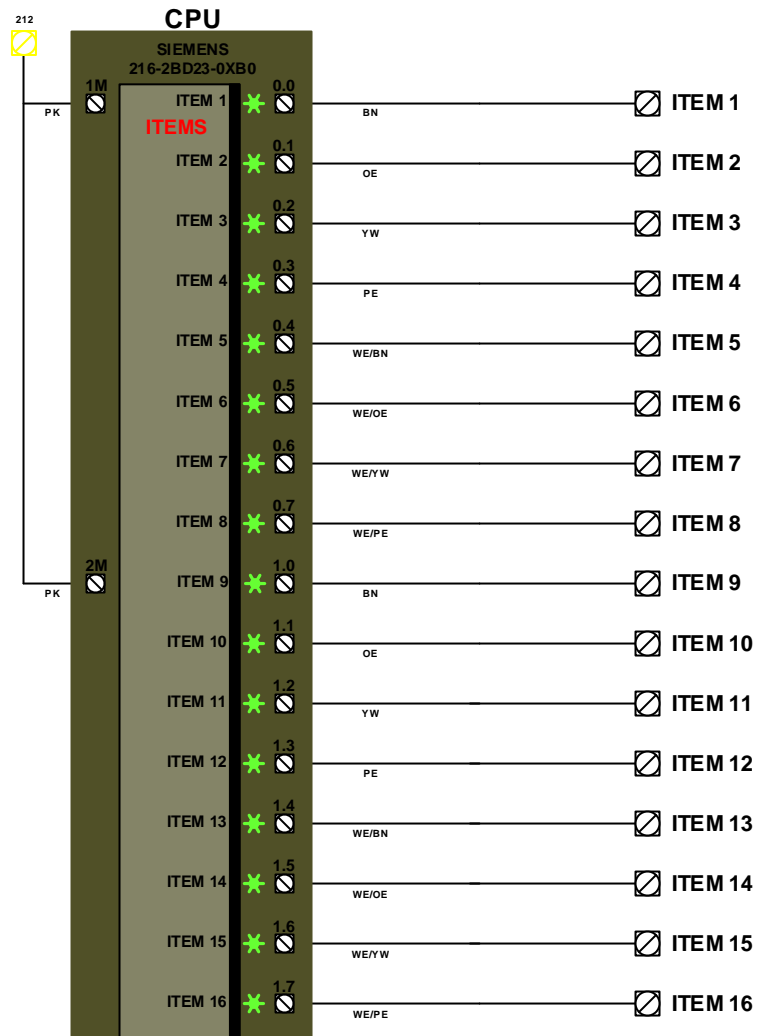
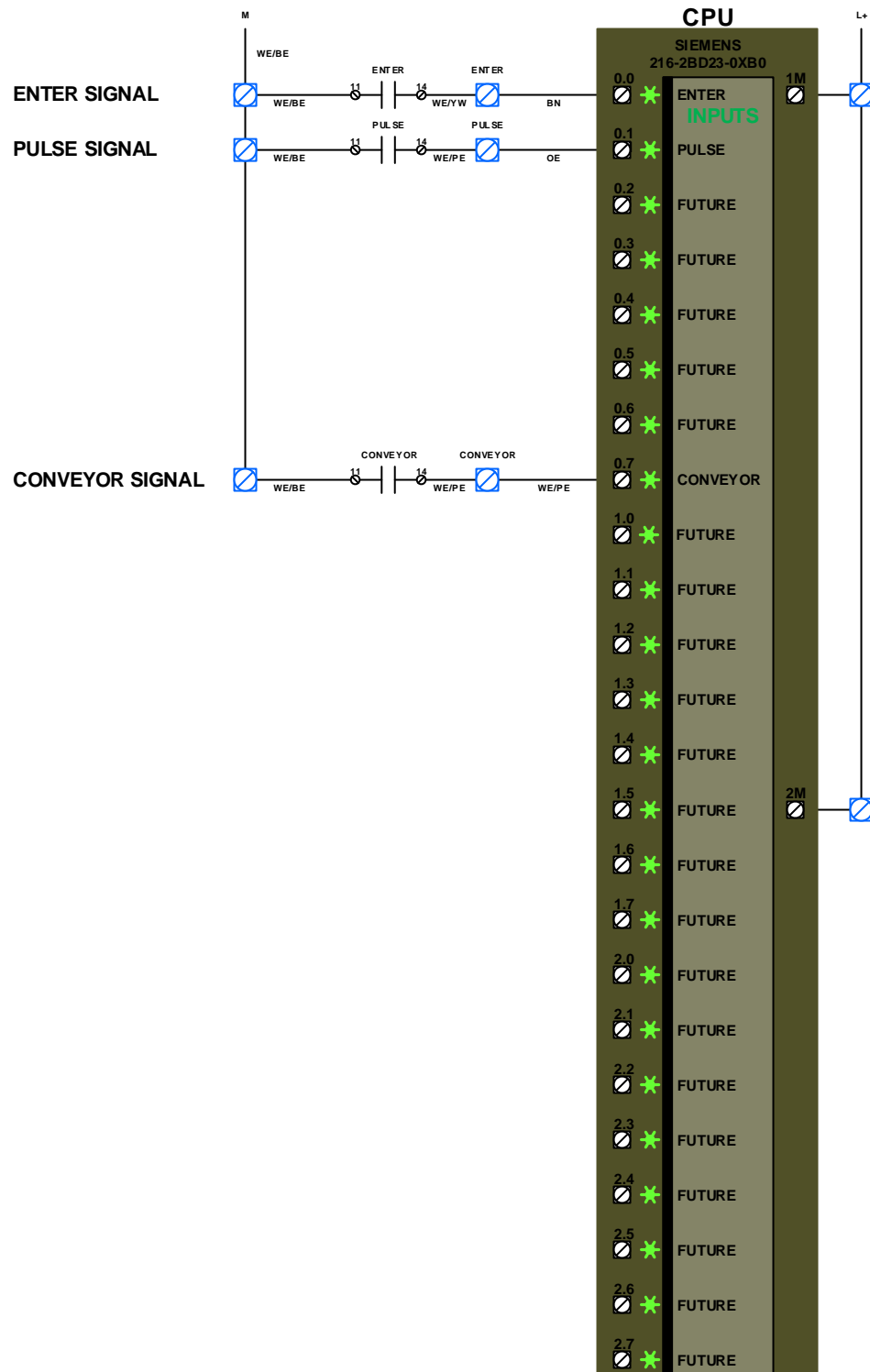
REV	DATE
4.0.3	3/11/2016
DRAWN BY: SH	
CHECKED BY:	
DRAWN DATE: 7/9/2013	

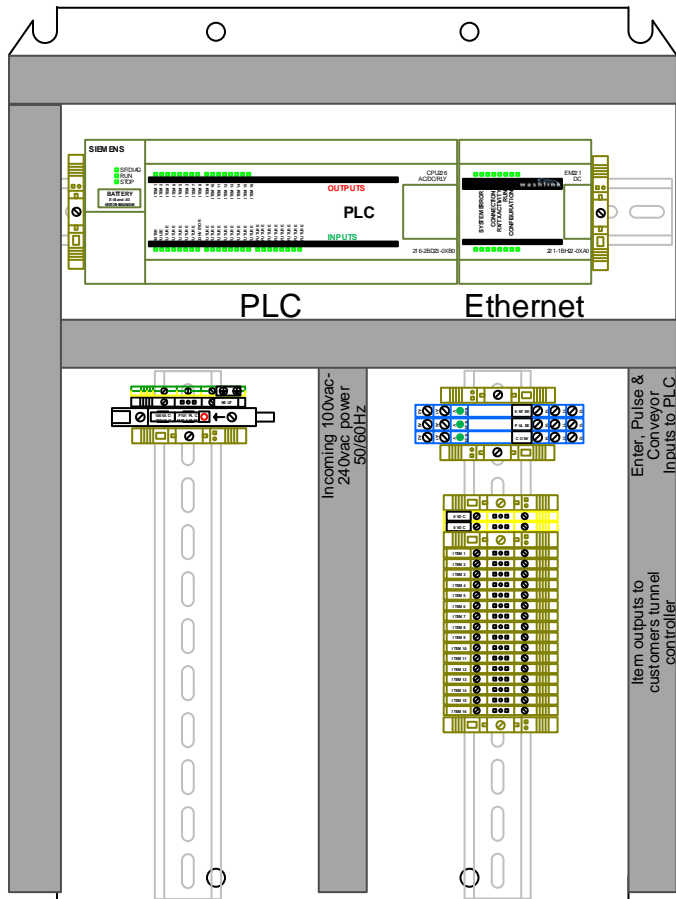
PAGE DESCRIPTION:

COVER

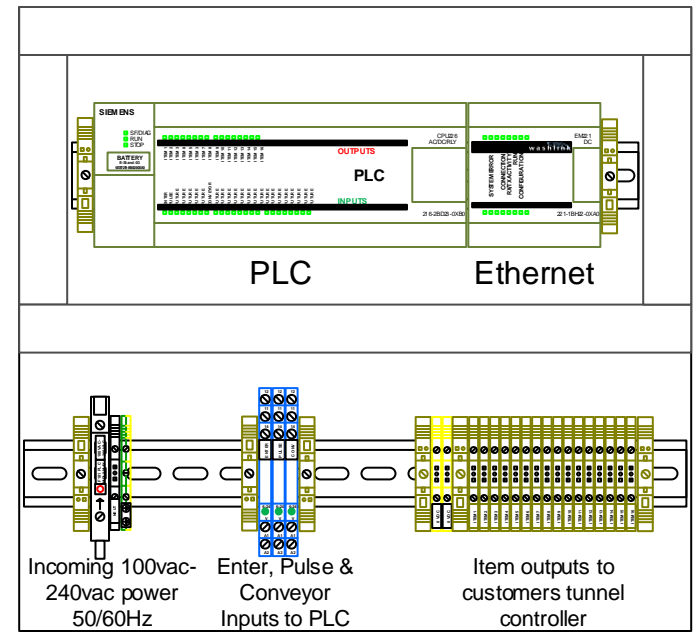
SS

6 of 8





Post 3/11/2016



Pre 3/11/2016

NOT TO SCALE