w a s h l i n k
S Y S T E M S

EC520M
Touch Screen
Manual

1718 Stone Ave., Bldg. F
San Jose, CA 95125
408-924-0808
www.washlinksystems.com

Operation:

To process a car do the following;
1   Press the Start Button (unless conveyor is running, if so the Start Button will change to the Stop Button)
2   Press the correct Package Button (in Standard Mode) or Process Car Button (in Stacker Mode)
3   Chose Option Buttons (if any necessary)

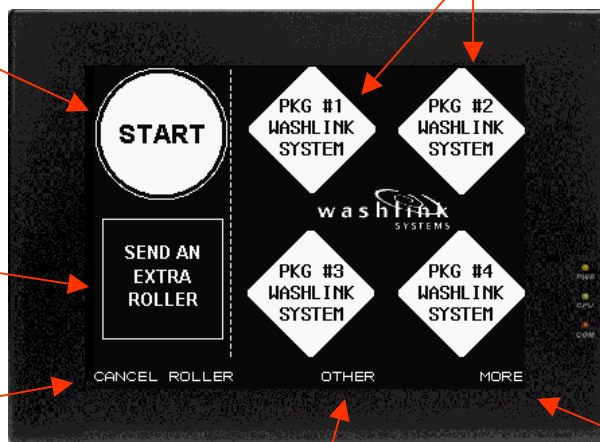***For Wet Down or to change operating modes press Other***

Standard Main Screen

Start/Stop Button
Note: will change
to show hydraulic
low level, collision
alert, E-Stop or not
in operating hours

Extra Roller Button

Roller Cancel Button
(used when in Auto
roller up mode)

Package Buttons (16 available)
Can be re-labeled in Programming mode

PWR Light
CPU Light
COM Light
All should be on
during normal operation

More Button
To toggle to next page
of wash packages

Other Button
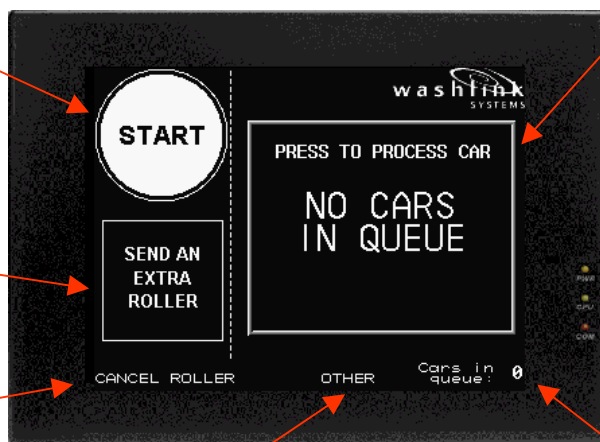To get to wet down screen,
Stacker mode and Programming Mode

Stacker Main Screen

Start/Stop Button
Note: will change
to show hydraulic
low level, collision
alert, E-Stop or not
in operating hours

Extra Roller Button

Roller Cancel Button
(used when in Auto
roller up mode)

Process Car Button
Shows wash package for
Current car to process

PWR Light
CPU Light
COM Light
All should be on
during normal operation

Other Button
To get to wet down screen,
Standard mode and Programming Mode

Cars in Queue
Shows current number of cars in queue
When pressed will allow removal of
next car or all cars from the queue

Operation:

Option Screen

Start/Stop Button
Note: will change
to show hydraulic
low level, collision
alert, E-Stop or not
in operating hours

Clear Button
clears current car package
Count Down Timer
Time until screen switches
back to main screen

START   PKG #1
WASHLINK
SYSTEM   6 PRESS TO CLEAR

Option Buttons
Pressing toggles between
No or Yes for the option
To be on the current car
Can be re-labeled in
Programming Mode

NO YES NO YES NO
OPTION #1 OPTION #2 OPTION #3 OPTION #4 OPTION #5
<<MORE OPTIONS>>

PWR Light
CPU Light
COM Light
All should be on
during normal operation

More Options
To toggle to next page of options

Clear Car from Queue Screen   Extra Roller Sent Screen   Wet Down/Program Screen   Wet Down Sent Screen

Change between Standard & Stacker Mode

Standard Operation Main Screen   Stacker Operation Main Screen

1. Press "Other" on Main Screen (fig 1&2)
2. Press "*****" (Password Window) (fig 3)
3. Enter Password "12345" (fig 4)
4. Press "ENT" to Enter (fig 4)
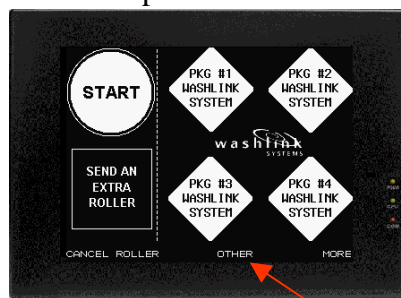5. Press "Standard" or "Stacker" (fig 5) to finish
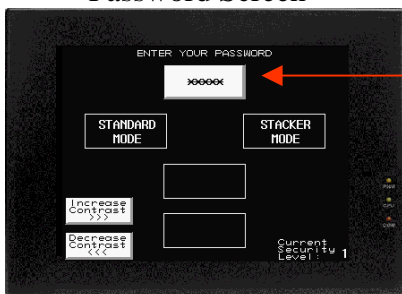
Fig 1

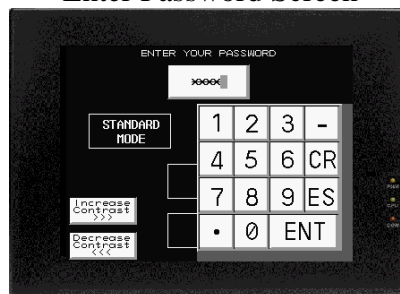Fig 2

Other Button

Password Screen

Enter Password Screen

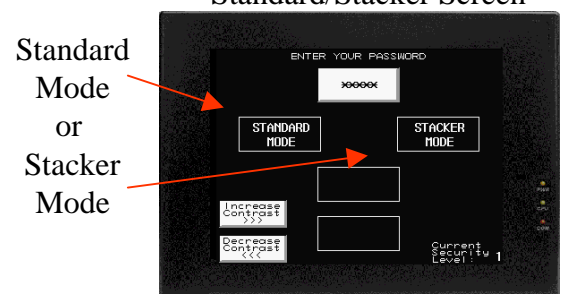Standard/Stacker Screen

Password
Window

Standard
Mode
or
Stacker
Mode

Fig 3

Fig 4

Fig 5

Programming:

Change Package & Option Name Screen

1   Press "Other" on Bottom of Main Screen (fig 1 & fig 2)
2   Press "Stacker" or "Standard" on Bottom of Other Screen (fig $)
3   Press "*****" Password Window (fig 4)
4   Enter "95125" Password (fig5)
5   Press "ENT" Enter (fig 5)
6   Press "Change Label" (fig 6)
7   Press the box of the package or option name to change, or scroll to other screen
        Each Package name has 3 lines. (fig 7)
            First line 6 characters. Second line 8 characters. Third line 6 characters.
        Each Option name has 2 lines. (fig 8)
            First line 8 characters. Second line 8 characters.
8   Type in new information and press Enter <u>after each line</u> (fig 9)
    Note: If enter not pressed information will be lost!
9   When finished, press Standard or Stacker (fig 7 & fig 8)
10 Repeat for each Label to be changed

Standard Operation Main Screen
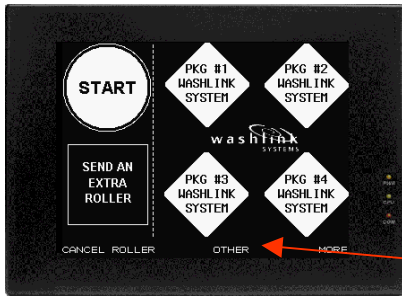
Stacker Operation Main Screen

Other Screen

Other Button

Standard or Stacker Button
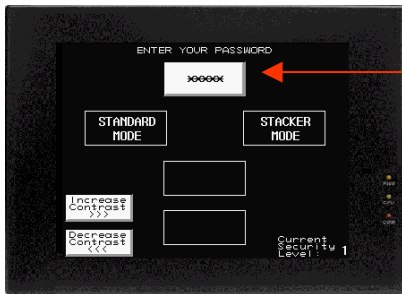
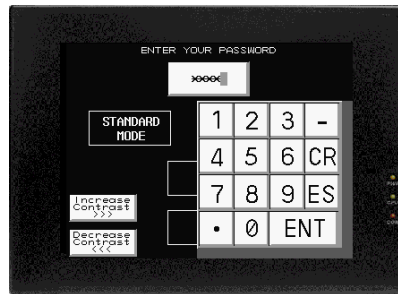Fig 1

Fig 2

Fig 3

Password Screen

Enter Password Screen

Mode & Change Screen

Password Window

Change Label Button

Fig 4

Fig 5
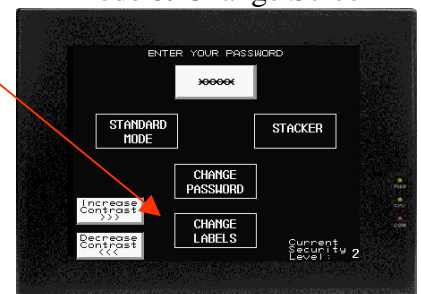
Fig 6

Package Label Screen
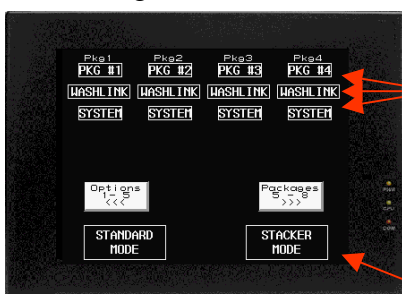
Option Label Screen
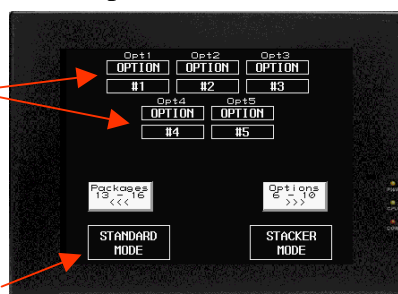
Label Keyboard Screen

Labels

Enter Button

Standard or Stacker Button

Fig 7

Fig 8
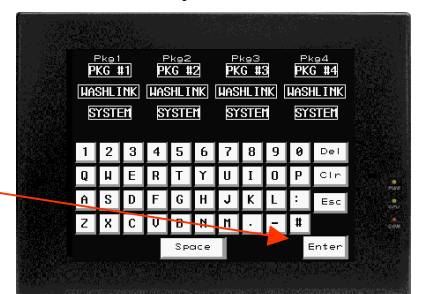
Fig 9

Installation:

Maple Touch Screen
Female DB9 Connector

Siemens S7-200 PLC
Male DB9 Connector

White Wire RS485-

Green Wire RS485+

Red Wire 24VDC

Black Wire 0VDC

Drain Wire chassis ground

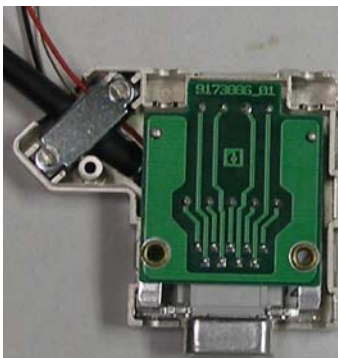0VDC to GND Terminal on Maple

24VDC to Terminal Strip on Maple

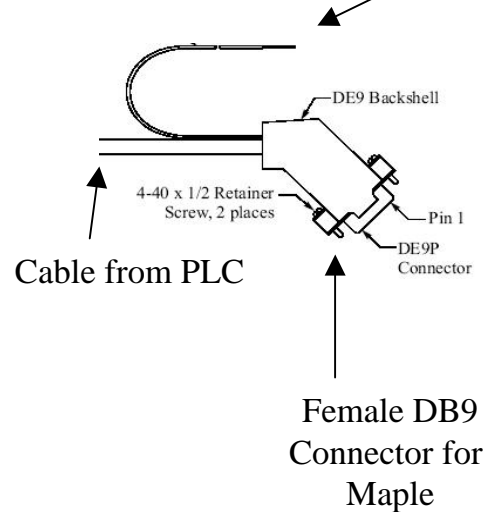Ground to FG Terminal on Maple
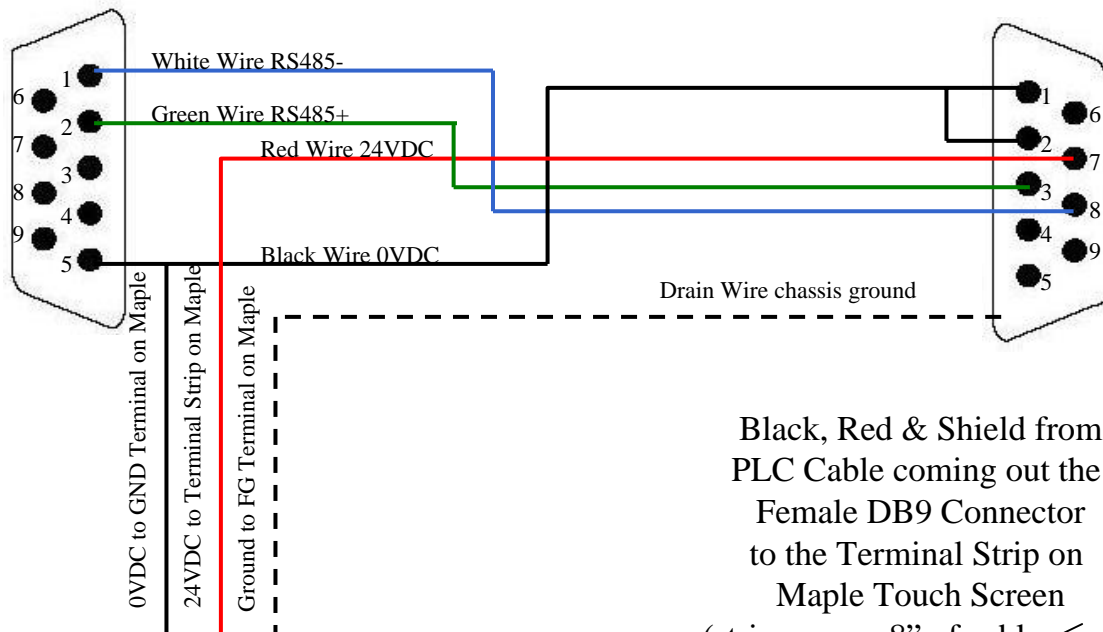
Black, Red & Shield from
PLC Cable coming out the
Female DB9 Connector
to the Terminal Strip on
Maple Touch Screen
(strip approx 8" of cable cover)

Connections in
Female DB9 connector
on Touch Screen

Cable & power wires
clamped inside of
Female DB9 connector
on Touch Screen
(note: direction of connector)

DE9 Backshell

4-40 x 1/2 Retainer
Screw, 2 places

Pin 1

DE9P
Connector

Cable from PLC

Female DB9
Connector for
Maple

Power wires from
Female DB9 connector
to terminal strip on
Touch Screen