REVISIONS				
REV	DESCRIPTION	BY	CHK	DATE
1	Initial Release	BCK	DN	02/04/20
B	Updates to Simplify Gate Harness and Wireless Call/Send Wiring, see EC0-005057	BCK	DN	05/08/20
C	Correct Pit Switch Wiring, See ECO-005059	BCK	DN	06/15/20
D	Changed wiring harnesses to match colors from harness to harness where possible. See ECO-005205	BCK	DN	09/15/20
E	Removed Von Duprin strike from sheet 4, clarified wiring strikes for wireless C/ S See ECO-005713	BCK	DN	01/14/21

Wire is moved from CB2 to CR1-3, when Battery Backup Option is used

150-00079

TB01
26008

CR1
390-00010

CB2
15 A

BR
BR1

90 VDC - to p 2

150-00083

F1
0.8 A
5 x 20mm

T1
325-00003
Black
Blue
24 VAC
White
Yellow

Wire is moved from BR1 to CR1-7 when Battery Backup Option is used

150-00083

Load R (page 2) Fan

Display Board

CB1
3 A

150-00077

150-00105

150-00096

16195
L
N
G
+ VDC
- VDC
Battery Charger

Vcc_24
J25
330-XXXX3-02
J14
MTA-156
J19A
Indicator Board
VCC_3V3

150-00078

J21
MTA-156

J24
Combicon

Duplex Outlet for optional Battery Heater Blanket

150-00084

Junction Box / Inlet

Dealer / Electrican Supplied
2 Pole Fused Disconnect similar to
* SquareD D21N for Indoor NEMA 1
* SquareD D211NRB for Outdoor NEMA 3R

L
N
G
S / N
GND
Flexible Conduit

L
Aux 1
Aux2
N
GND

150-00088

J20
HDR_6_1
24V_BATT

CR2
Battery Check
44122

150-00085

150-00087

L
N
G
+ VDC
- VDC
Inverter
325-0002

60 A

2

150-00089

J22
RJ12

0.0 R

GND

150-00086

Inverter Remote Control Cable

150-00093: 4 to 6 ft tower height
150-00092: 8 to 14 ft tower height

150-00091: 4 to 6 ft tower height
150-00090: 8 to 14 ft tower height

0.25 x 0.032 QC, unless noted otherwise

NO_HeldClosed

DC Ground

Optional Wiring & Components

NOTES: 1) Control Board Reference Designators are from ITE Doc. No. 18002.00_SCH, Rev. B and are intended to provide a common reference. ITE may change them as appropriate
2) One pair of batteries for 4' towers, all others shall have two pairs of batteries

Harmar

DWG NO 640-00025	REV. E
VPL2, WIRING SCHEMATIC	
DRAWN BY B. C. Kim	SHEET 1 OF 5

+

90 VDC - from p. 1

-

UP
1 (L1)
2 (T1)
UP
21
22
Rbrake
3 ohms, 50W
150-00075
DOWN
21
22
150-00075
DOWN
1 (L1)
2 (T1)
Rload
100 ohm
100 W
Rload
100 ohm
100 W
DOWN
3 (L2)
4 (T2)
12 k
3W
UP
LEM Transducer
5 (L3)
6 (T3)
312-00107
DOWN
6 (T3)
5 (L3)
150-00072
150-00073
Only 2 of 5 conductors shown
TC1
K-Type
M
BRAKE
Part of Motor (1 foot)
Supplied with Motor Assbly
A1
UP
312-00001
A2
A1
DOWN
312-00001
A2
150-00076
Control Board
(Partial)
J18
J16
J14
J15
J17
CURRENT SENSOR
J23
MOTOR_V_DETECT
150-00068
Top Landing
Final Limit
Vcc_24V (Black)
Top_Landing (Red)
Final_Limit (Green)
EStop (White)
J3
Mid Landing
Vcc_24 (Black)
MID_LANDING (Red)
J2
150-00095
J7
+24 VDC (Orange)
UP_BTN (Blue)
MID_BTN (Green)
DOWN_BTN (Red)
Safety Pan (Green / Black)
E-STOP (Orange / Black)
Gnd (Black)
PTM_STRIKE_OUT (White)
Safety Nut (Red / Black)
Service Switch (Blue / Black)
Alarm_Pwr (White / Black)
PTM_LOCK (Black / White)
Safety_Pan
EStop
150-00071-XX
Trailing Cable Assembly
+24 VDC (Orange)
UP_BTN (Blue)
MID_BTN (Green)
DOWN_BTN (Red)
Service Switch (White)
E-STOP (Brown)
Gnd (Black)
Alarm_Pwr (Yellow)
+24 VDC (Orange)
UP_BTN (Blue)
MID_BTN (Green)
DOWN_BTN (Red)
Service Switch (Blue / Black)
E-STOP (Orange / Black)
Gnd (Black)
Alarm_Pwr (White / Black)
150-00067
Platform Control Panel
UP
UP_BTN (Blue)
Mid
MID_BTN (Green)
DOWN
DOWN_BTN (Red)
Optional Key Switch
E-STOP (Brown)
Service
Magnetic Reed Switch
Service Switch (White)
E-Stop
+24 VDC (Orange)
Alarm_Pwr (Yellow)
Gnd (Black)
R
Red Indicator
Cut Wire Loop to install Key Switch Option
Wire is replaced with optional switch LED for panels needing a visual indication
150-00098
Safety Nut
(Red)
(Black)
Safety Nut (Red / Black)
+24 VDC (Orange)
Safety Pan
150-00070
(Black)
(Black)
Safety Pan (Green / Black)
+24 VDC (Red)
PTM_LOCK (Green)
PTM_STRIKE_OUT (Black)
PTM_LOCK (Black / White)
PTM_STRIKE_OUT (White)
150-00097
Interlock: 46221, 46222
Lock Solenoid
Solenoid Control
Door Closed
Door Locked
A
B
C
D
White
Orange
Green
Black
PTM_STRIKE_OUT (Black)
+24 VDC (Red)
PTM_LOCK (Green)
150-00117
Platform Gate
150-00116
Use with Optional Auto Ramp Only
150-00081
Lifts w/o Battery Backup
150-00082
Lifts with Battery Backup
J11
MTA-100
Alarm_Pwr
+18V
46064
Alarm Assembly
9 V
9 V
Pit Switch
150-00112
Vcc_24
J1
330-XXXX3-08
PTM_LANDING
SAFETY_PAN
OSG / PIT SWITCH
FLOAT_SWITCH
BOT_FINAL
Vcc_24
150-00085-XX
OSG_Mon
+24 VDC (White)
+ 24 VDC (Black)
BOT_LANDING (Red)
BOT_Landing
OSG / PIT Switch (Green)
150-00094
Float Switch
Belt Monitor
150-00094
BOT_Final

NOTES:
1) Control Board Reference Designators are from ITE Doc. No. 18002.00_SCH, Rev. B and are intended to provide a common reference. ITE may change them as appropriate
2) Part numbers with "XXX" are in process of being defined.
3) dashed wires are to optional equipment that may not be present
4) Platform Gate Opener Requires an additional trailing cable
5) Optional Platform or Landing Gate must be Honeywell Interlock to fit in Frame
6) Towers wth a Safety Pan not have BOT_Final switch

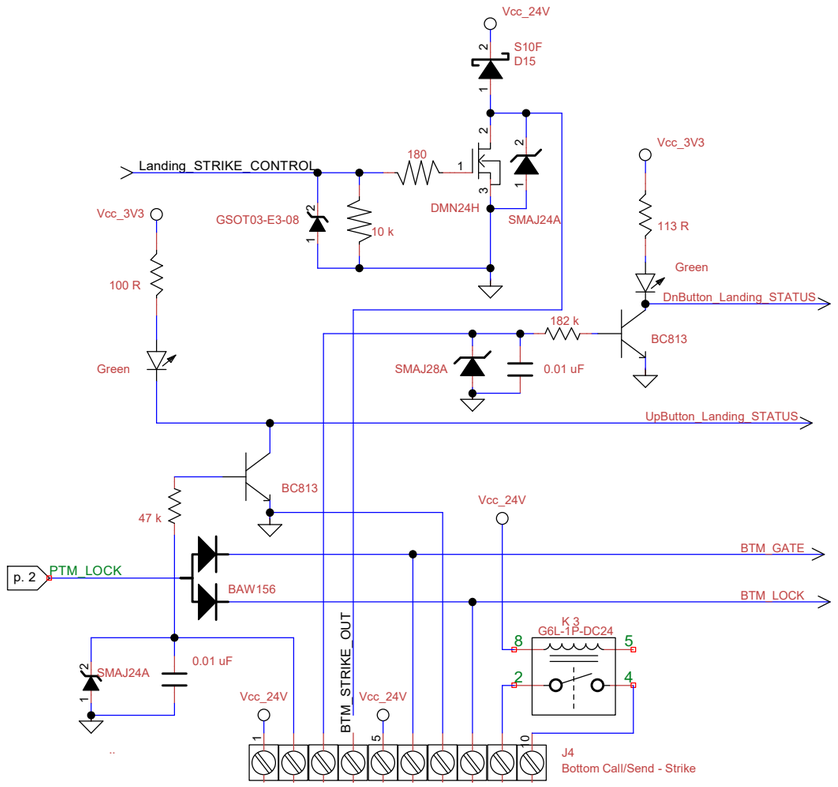
Harmar

DWG NO	REV.
640-00025	E

VPL2, WIRING SCHEMATIC

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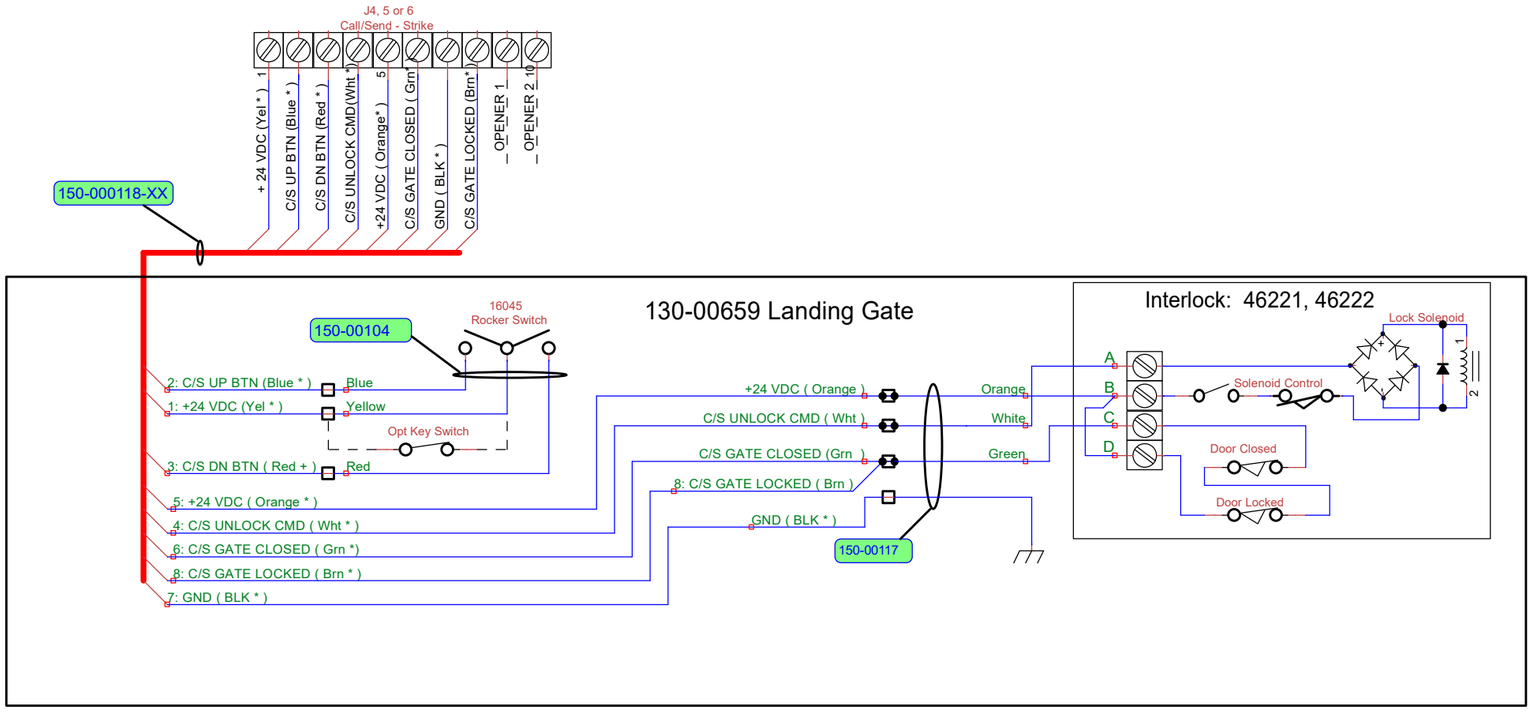
Control Board - Call/Send Interface Circuitry



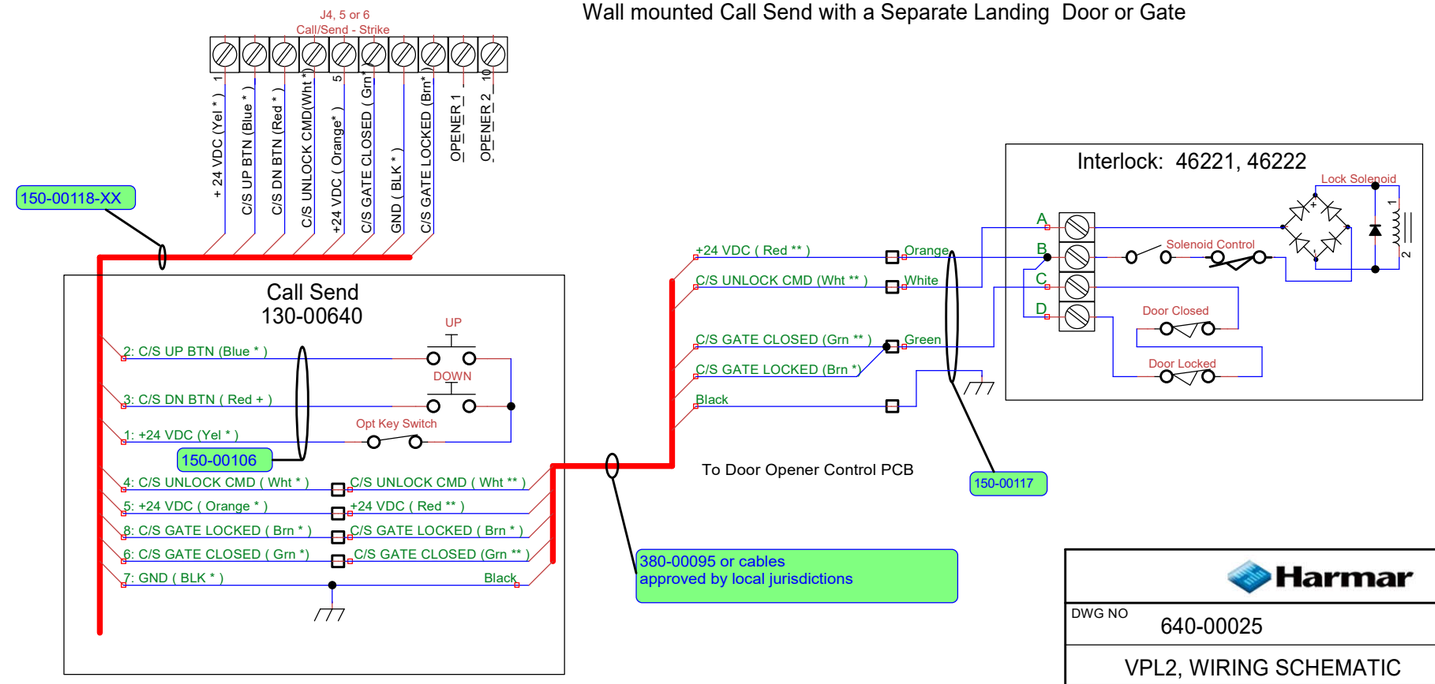
NOTE:
1) See Sheet 5 for landing PCA Reference Designations
2) If installing a door opener, insure the call/send panels, 130-00640, are clear of the open door. Wires to the door opener PCA may be run from the Call Send or the Interlock as required.

* Recommended Conductor colors if using Harmar PN 380-00016-08 or -10

** Recommended Conductor colors if 380-00095 (380-00016-06) is used

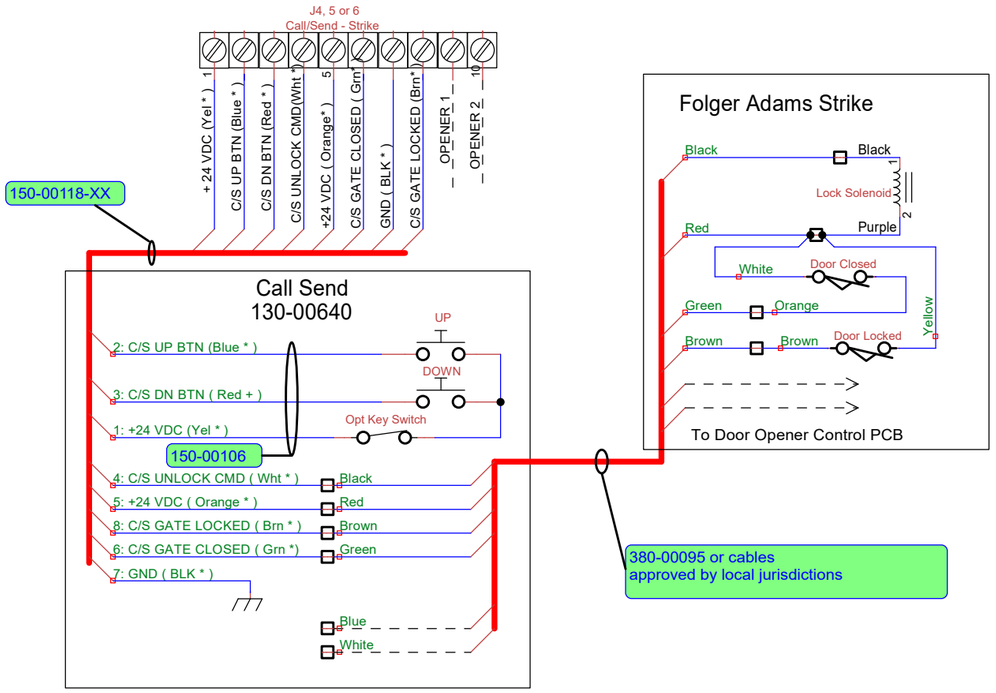


Wall mounted Call Send with a Separate Landing Door or Gate



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DWG NO	REV.
640-00025	E
VPL2, WIRING SCHEMATIC	
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NOTE:

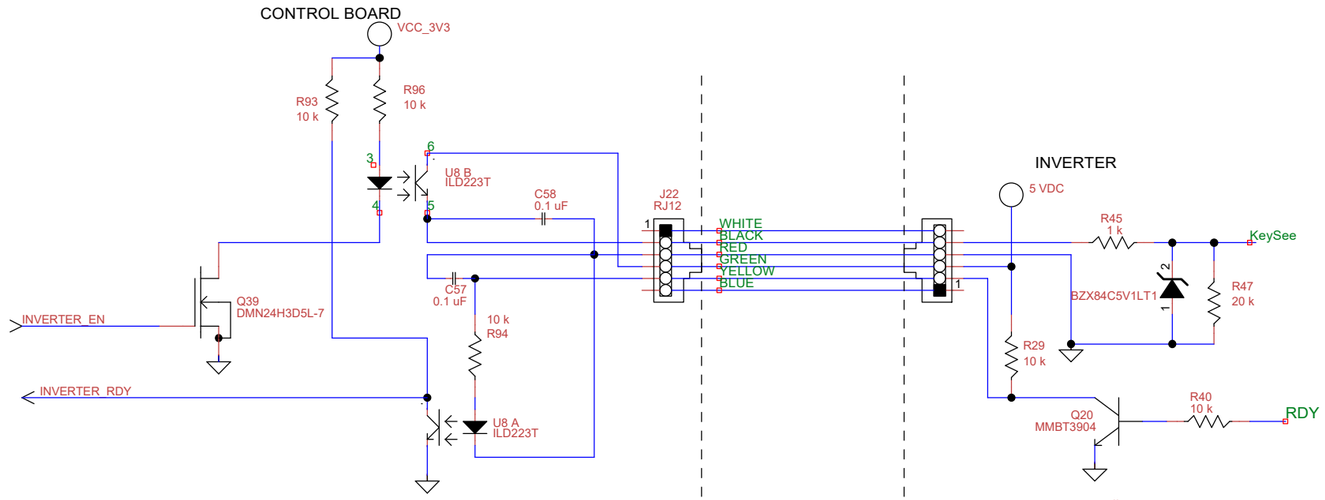
1) See Sheet 5 for landing PCA Reference Designations
2) If installing a door opener, insure the call/send panels, 130-00640, are clear of the open door. Wires to the door opener PCA may be run from the Call Send or the Strike as required.

* Recommended Conductor colors if using Harmar PN 380-00016-10

** Recommended Conductor colors if 380-00095 (380-00016-06) is used

Harmar

DWG NO	REV.
640-00025	E
VPL2, WIRING SCHEMATIC	
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Battery Backup Option: Inverter Interface

Button 1 = UP
Button 2 = DN (with a two-Button TX)

Shown wired to Bottom Call Send -

Harmar

DWG NO	REV.
640-00025	E
VPL2, WIRING SCHEMATIC	
DRAWN BY: B. C. Kim	SHEET: 5 OF 5