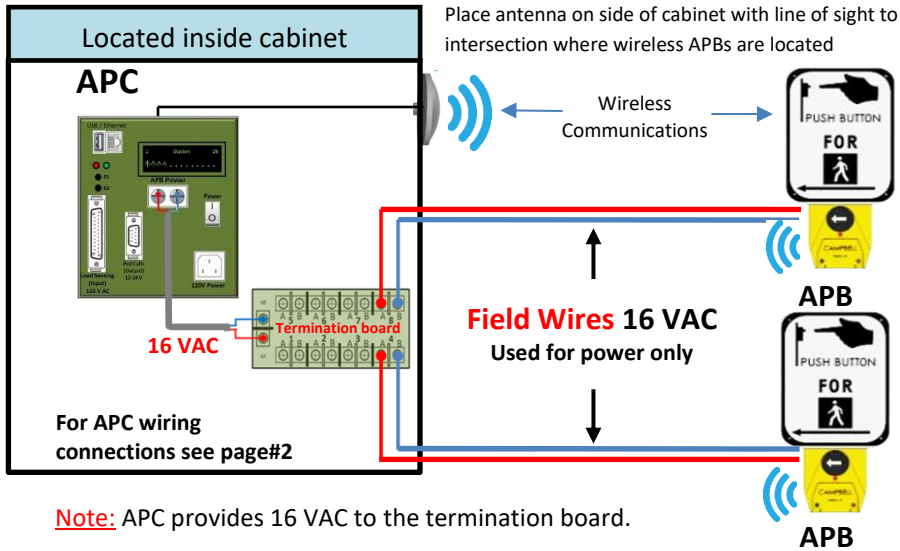


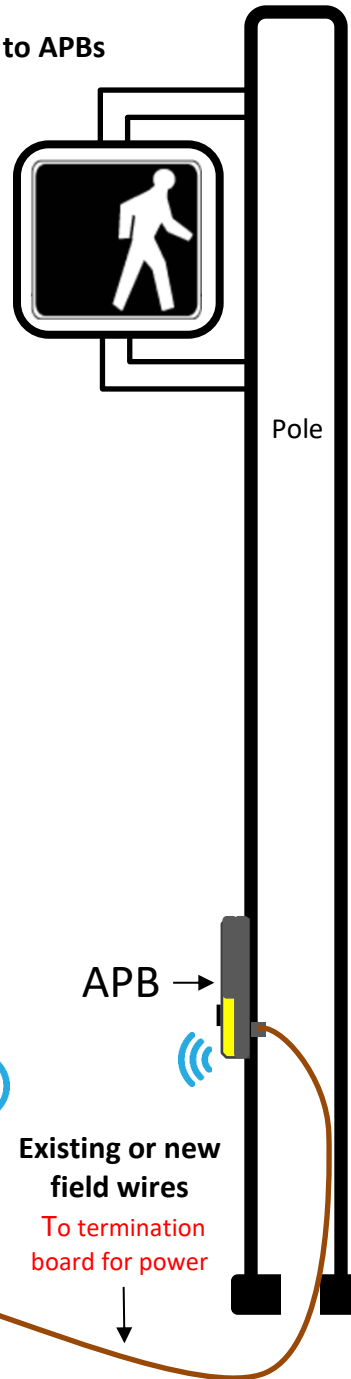
Using **APC** and **Termination Board** to provide power to APBs

APC/Termination board powers APBs from inside the cabinet



Cabinet

- ✓ APC places calls into the traffic controller.
 - 9-Pin cable needs to be installed from the APC to the terminals of the PED CALLS in the cabinet. (9-Pin cable included)
- ✓ Utilizes the existing or new **Field Wires** from cabinet to pedestrian push buttons. (For power only).
 - Connect the **Field Wires** from the cabinet onto the termination board.
- ✓ **Termination Board:** It is recommended, for troubleshooting purposes to use the "A" terminals for power and "B" terminals as common. Also use termination board slot #1 for APB "1", slot #2 for APB "2", and so on for all the push buttons.



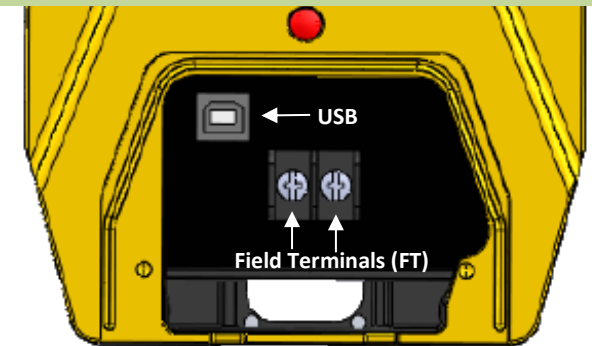
APB

Warranty void if APB is installed upside down



APB Base Station

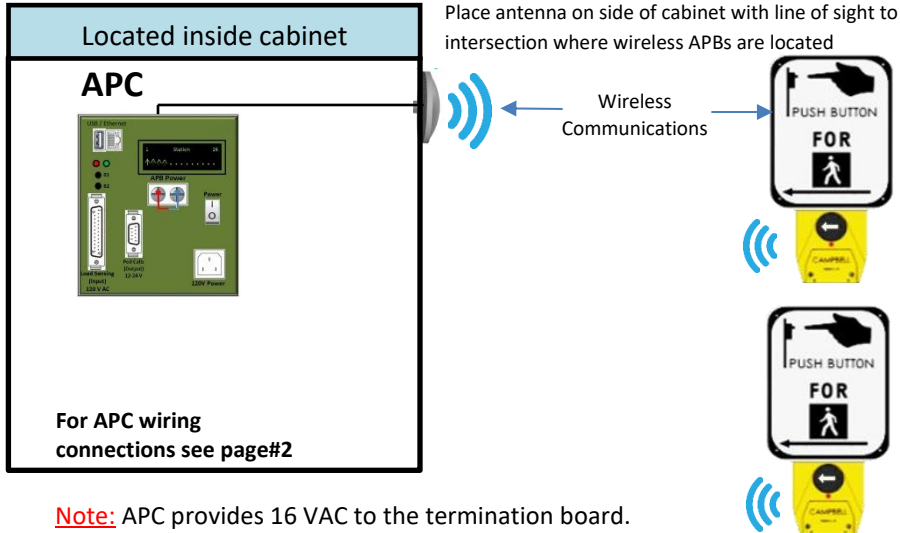
(Close up view of terminal block in front)



**APB wiring connections 16 VAC
Not polarity dependent**

Using SPI to provide power to APBs

WiAPC/Termination board powers WiAPBs from inside the cabinet

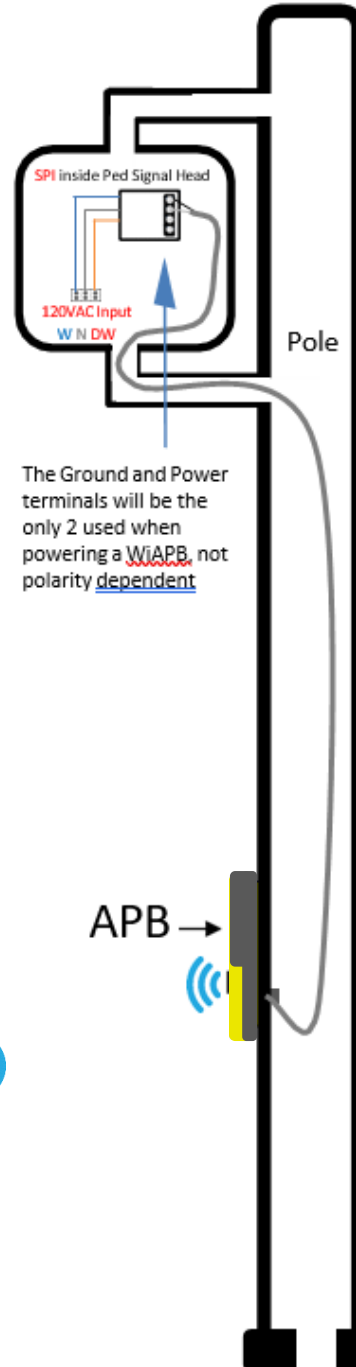


Cabinet

- ✓ APC places calls into the traffic controller.
 - 9-Pin cable needs to be installed from the APC to the terminals of the PED CALLS in the cabinet. (9-Pin cable included)
 - 25-Pin cable needs to be installed from the APC to the pedhead outputs in the cabinet. (25-Pin cable included)
- ✓ For cabinets with limited shelf space an APC rack can be ordered separately and installed to mount the APC inside the wall.



NOTE: For NEW intersection installations, **in the absence of city or other local specifications**, Campbell Company recommends IMSA 14 Gauge (loop detector wire)



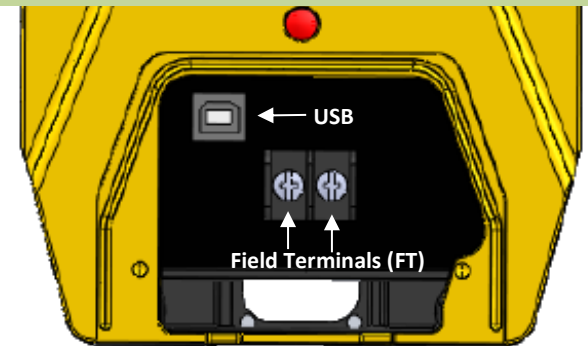
APB

Warranty void if APB is installed upside down



APB Base Station

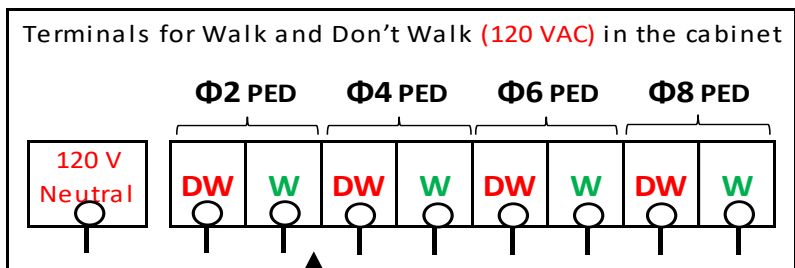
(Close up view of terminal block in front)



APB wiring connections 16 VAC
Not polarity dependent

WiAAPS Quick Guide

Cabinet wiring

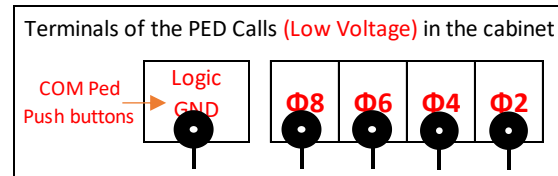
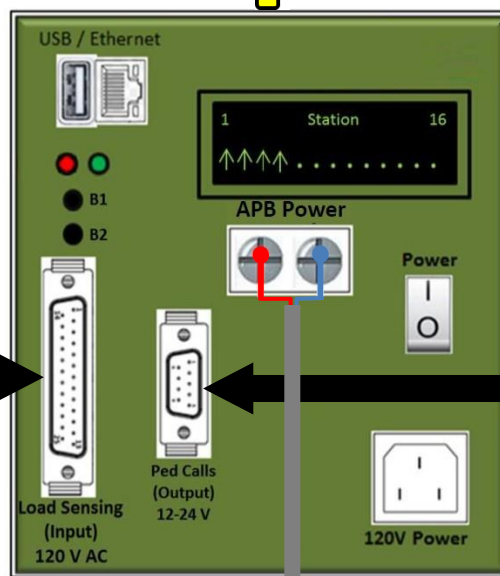


APC

Default IP: 192.168.1.101
 Username: admin
 Password: password

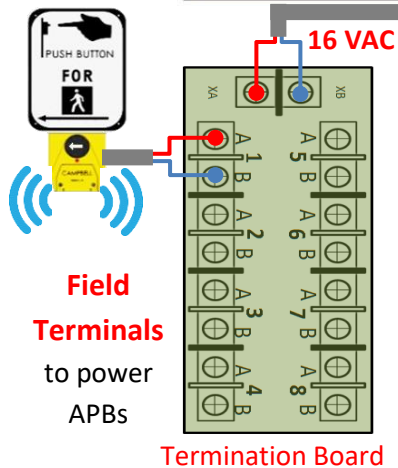
Antenna used for wireless communication

DB25 APC Input Cable (120 Volts)					Φ PED
Label	Pin	Color			
Neutral	1	Blue/White Stripe	White	16 AWG	120 V
	14	White/Black Stripe			Neutral
W 8	3	White/Red Stripe		22 AWG	W Φ8
W 7	16	Orange/Black Stripe		22 AWG	W Φ7
W 6	4	Green/Black Stripe		22 AWG	W Φ6
W 5	17	Blue/Black Stripe		22 AWG	W Φ5
W 4	5	Red/Green Stripe		22 AWG	W Φ4
W 3	18	Green		22 AWG	W Φ3
W 2	6	Blue/Red Stripe		22 AWG	W Φ2
W 1	19	Red/White Stripe		22 AWG	W Φ1
DW 8	7	Orange/Red Stripe		22 AWG	DW Φ8
DW 7	20	Red		22 AWG	DW Φ7
DW 6	8	Red/Black Stripe		22 AWG	DW Φ6
DW 5	21	Black/White Stripe		22 AWG	DW Φ5
DW 4	9	White		22 AWG	DW Φ4
DW 3	22	Blue		22 AWG	DW Φ3
DW 2	10	Black		22 AWG	DW Φ2
DW 1	23	Green/White Stripe		22 AWG	DW Φ1



Some cabinets require a Jumper to be installed between the Grounds on the terminals of the ped calls.

DB9 APC Output Cable						Φ PED CALL
Label	Pin	Color		Alternate Color		
PH1	1	Orange/Black Stripe		Orange		Φ1
PH3	2	Red		Red		Φ3
PH5	3	White		White		Φ5
PH7	4	Black		Black		Φ7
COM	5	Green		Green		COM Ped Push Button
PH2	6	Green/Black Stripe		Brown		Φ2
PH4	7	Red/Black Stripe		Purple		Φ4
PH6	8	White/Black Stripe		Yellow		Φ6
PH8	9	Blue		Blue		Φ8
NA		Orange	NA	Grey		NA



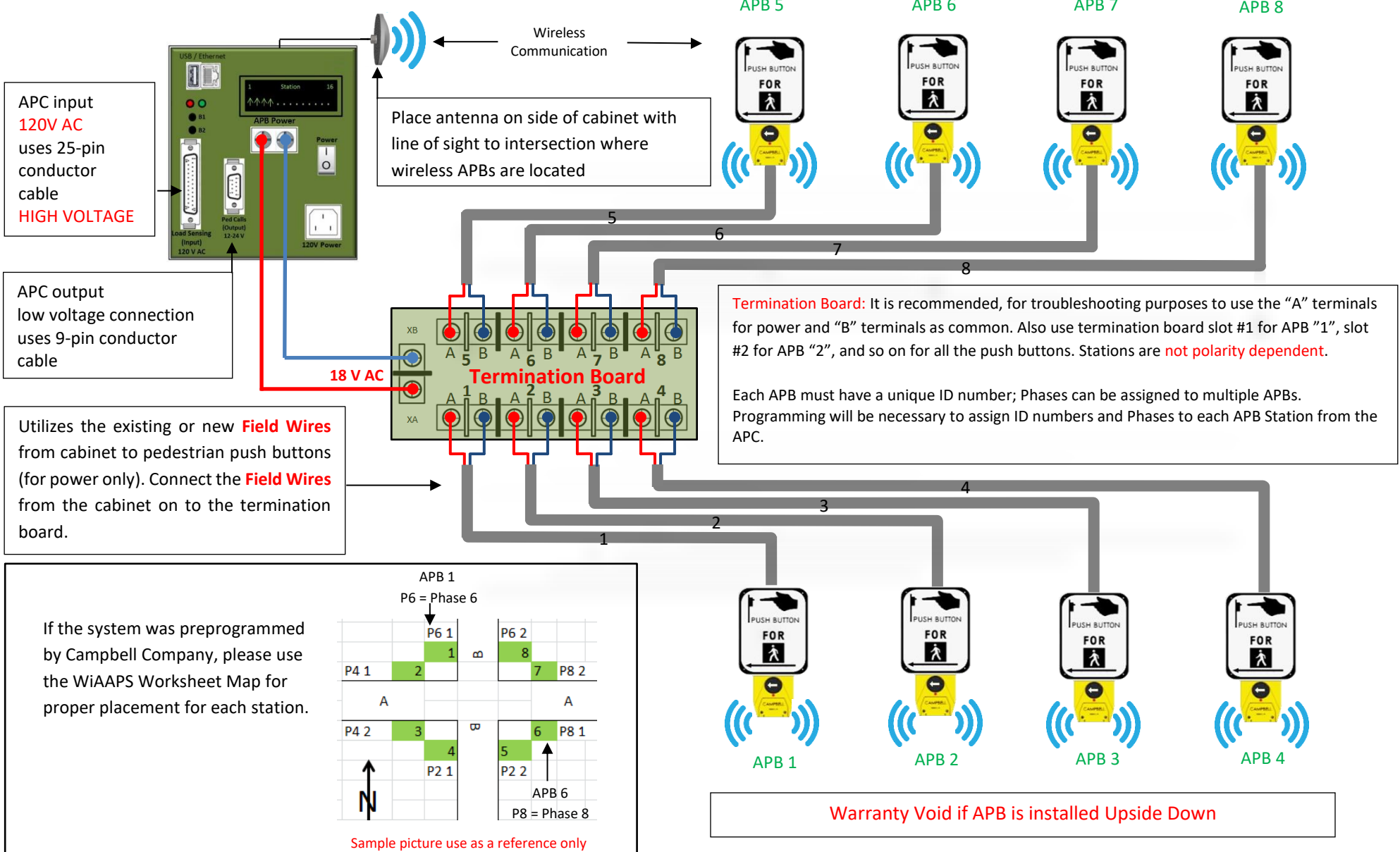
Doc # 906-0034 Rev C

APC

Default IP: 192.168.1.101
 Username: admin
 Password: password

WiAAPS Wiring Guide

Recommended Setup to Termination Board



If the system was preprogrammed by Campbell Company, please use the WiAAPS Worksheet Map for proper placement for each station.

APB 1		P6 = Phase 6	
		P6 1	1
P4 1	2		8
		P6 2	7
A			P8 2
P4 2	3		6
		P8 1	5
A			P2 2
P2 1	4		
			APB 6
			P8 = Phase 8

Sample picture use as a reference only