OC-913 Control - Connection Matrix

If you do not see your model operator listed below, contact Optex technical support at (800)877-6656.

OC-913 CONTROL WIRE COLORS

913 PURPLE WIRES - Safety Beam Input When Dipswitch 4 is OFF. Knowing Act Input When Dipswitch 4 is ON.
Dipswitch 4 OFF- **connect to COM & N/O of Safety Beam.** ***Dipswitch 4 ON*** **- Connect to COM & N/O of Knowing Act Devices.**

913 GREEN WIRES - Use with Secondary Activation sensor when dipswitch 4 is ON. See general wiring in installation manual.

OC-913 DIPSWITCH SETTINGS

913 dipswitches set (1 down, 2 up, 3 up, 4 thru 8 down) unless otherwise stated in OEM Specifc Install Notes.

GENERAL INSTALL NOTES:
If using safety beam with Premier, connect beam output to purple wires of 913, set dipswitch 4 OFF unless stated otherwise in OEM Install notes. If using swing side DMSS refer to Optex OA-Edge connection matrix.

	ACT	SAF	MOTOR INPUT		DATA INPUT		POWER INPUT		
Manufacturer	**YELLOW**	**BLUE**	**BLACK**	**RED**	**WHITE**	**WH/RED**	**BROWN**	**ORANGE**	OEM SPECIFIC INSTALL NOTES:
Besam									
300/400	Pins 12 & 13	Pins 11 & 12	Motor Negative(-), see notes	Motor positive (+), see notes			Pin 7	Pin 8	LH Operator Black Motor wire +, RH Operator White wire +. Verify jumpers from Pins 15 to 16 & 17 to 18 unless connected to swing side door mounted sensor.
MP / CUP	TB2, pins 3 & 4	TB2, pins 4 & 9	TB2, pin 13	TB2, pin 19			TB2, Pin 17	TB2, Pin 18	Use PMD to program F12= 3 deg. less than F10, F13=a, F14=a, F16=05, F17=00, F18=00, F19=b, F20=b. If using Safety Beam must connect to CUP & set 913 Lout time to minimum.
900	Pins 2 & 3	Pins 2 & 3	Pin 4	Pin 10			Pin 11	Pin 12	Open check on operator should be set to a range no greater than 15 degrees
Powerswing CSDA	TB-1 Pins 3 & 4	TB-2 Pins 1 & 2	Opening Solenoid (-) wire	Opening Solenoid (+) wire			TB-2 Pin 2	TB-2 Pin 4	Dipswitchs on 903 = 1 up, 2 down, 3 up, 4 down. Jumper W-7 on CSDA must be removed.
Powerswing CSDB	CSDB TB2 Pins 11 & 14	EXB TB4 Pins 26 & 30			EXB TB4 Pin 31	EXB TB4 Pin 32	EXB TB4 Pin 32	EXB TB4 Pin 26	Requires the EXB extension board. Set 913 dipswitch 5 ON.
SW-100/200	Pins 1 & 2	Pins 1 & 4			Pin 5	Pin 6	Pin 1	Pin 6	Set 913 dipswitch 5 ON. On SW-200 also set 913 dipswitch 6 ON.
Dorma									
EDA	Trigger & Gnd	Presence & Gnd	Gnd	Latch			Any +24 V	Any Gnd	When using safety beam set 913 LOUT Pot to minimum & connect N/O & COM from safety beam to EDA control at Safety Beam & Gnd
ED-400 & New Style ED-700	Trigger & Gnd	Presence & Gnd			GND	DATA	Any +24 V	Any Gnd	When using safety beams connect output to Beam & GND on control. Set 913 dipswitch 5 ON.
ED-700 Old Style	CN2 Pins 2 & 3	CN2 Pins 4 & 3	CN2, Pin 12	CN2, Pin 7			P.S. 24 VAC-CN3 or Pin 7-CN2	P.S. 24 VAC-CN3 or Pin 6-CN2	If using safety beam connect to 913 and set LOUT pot on Door Control to minimum.
Doromatic									
Astroswing	Yellow & Gray wires	Blue & Gray wires	Black Motor wire(-) from control.	Red Motor wire(+) from control.			12/24 vac xfmr	12/24 vac xfmr	Set Function select on control box to Carpet mode (Normally "B").
Gyrotech/Nabco									
300/400 Analog	Black & Red wires	White & Red wires	Red MTR Wire(-) or Activate relay Pin B	Blk MTR wire(+) or Activate relay Pin A			12/24 vac xfmr	12/24 vac xfmr	Verify minimum open time delay 1.5 seconds prior to connecting Premier. Set slide switch to Safety Standard
Magnum Cont.	Black(6) & Red(5)	White(4) & Red (5)	J-5 Pin 1 Red wire	J-5 Pin 2 Black wire			12/24 vac xfmr		Using Safety Beam in guide rail not reccommended. Use swing side door mounted sensor instead.
U-Control	Red(7) & Black(61)	Red(7) & White(6B)	Red Motor Wire	Blue Motor Wire			12/24 vac xfmr		With Handy Terminal set special functions SIG. AT CLOSING N, SIG. FULL OPEN Y. Set 913 dipswitch 2 down OFF
Horton									
4160 Control	Black & White wire	Green & White wires	Black Motor wire (-) from control.	Red Motor wire (+) from control.			Power Supply 24 VAC, CN3	Power Supply 24 VAC, CN3	
4190 Control	CN2 Pins 2 & 3	CN2 Pins 4 & 3	CN2, Pin 12	CN2, Pin 7			P.S. 24 VAC-CN3	P.S. 24 VAC-CN3	If using safety beam connect to 913 and set LOUT pot on Door Control to minimum.
Hunter									
FA/HA-8 Old	RTN & ACTN	RTN & SAFE 1	MTR (-) see note	MTR (+) See Note			24VAC	OUTPUT	LH operator Blue motor wire +, RH operator Red motor wire +.
FA/HA-8 New	COM & ACTN	COM & SAFE 1			Sensor (-)	Sensor (+)	24VAC	OUTPUT	Set 913 dipswitch 5 ON
09722EG Control	COM & ACT1	COM & SAFE 2			Data (-)	24 DC (+)	24 VDC (+)	24 VDC (-)	Set 913 dipswitchs 2 OFF & 5 ON
Keane Monroe/ Record									
2000, B Control	Red & Green wires	White & Green wires	AC motor, Blk to one wire Red to the other				12/24 vac xfmr	12/24 vac xfmr	Set 913 dipswitch 3 to "Auto"(down).
K-Control	White & Green	White & Red	Black Motor wire	Red Motor wire			12/24 vac xfmr	12/24 vac xfmr	
8000/6100	Pins 1 & 2	Pins 4 & 8			Pin 6	Pin 9	Pin 1	Pin 3	Set 913 dipswitch 5 ON. Program 8000/6100 AUX1 Output & Input to 1-BEA Bodyguard. If using safety beam connect beam output to door control pins 11 & 5.
LCN									
2500/9300 Astroswing	Use LCN Retro harness part # 761469 and connect same as Doromatic Asroswing. Check Optex for possible available harness kit instead.								
Benchmark 9100 (See Notes)	Main ACT & COM	Safety & COM	Motor wire (-)	Motor Wire (+)			17 VAC	ACC Power	Some controls the Safety connection pin is Blank (No Safety) Must verify saftey pin active before installing.
Equalizer	Pins 16 & 17	Pins 19 & 21	Solenoid (-)	Solenoid (+)			Pin 1	Pin 2	913 dipswitch 2 down.

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OC-913 DIPSWITCH SETTINGS

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Manufacturer	**YELLOW**	**BLUE**	**BLACK**	**RED**	**WHITE**	**WH/RED**	**BROWN**	**ORANGE**	OEM SPECIFIC INSTALL NOTES:
Lockman Peck									
B-100 Super swing	Pins 1 & 2	Pins 4 & 10			Data (-)	Data (+)	Pin 12	Pin 13	B-100 dipswitch 2 must be OFF. Set 913 dipswitchs 2 OFF & 5 ON.
Motion Access									
Latest Condor	J9 L & M	J9 H & I			J9 J	J9 K	J9 F	J9 G	Set 913 dipswitch 5 ON. If usingsafety beam connect output to Condor J8 12 & 13.
Noton / Rixon									
Norton 6900 Rixon 2910	JP1 pins 13 & 14	JP1 Pins 11 & 12	JP3 white wire second pin down	JP3 white wire Top Pin			JP4 Pin 1	JP4 Pin2	
Stanley									
L shape Control	Yellow & Orange wires	Yellow & Red wires	White Motor wire (-)	Black Motor wire(+)			12/24 vac xfmr	12/24 vac xfmr	May need to move red wire on Stanley six pin connector in line with yellow and orange wires. If selectable use Carpet Logic.
MP Control (HDLE)	TB1, Pins 1 & 3	TB1, Pins 7 & 8	Motor - , see notes	Motor + , see notes			TB1, Pin 4	TB1, Pin 5	Magicswing Operator Black motor wire is positive(+). Magicforce RH operator Black wire is positive (+), LH White wire is positive(+). On Stanley Dipswitch S-2 set switches 1 and 3 OFF. Set 913 dipswitch 2 OFF.
MC-521 Control	TB4, Pins 3 & 4	TB4, Pins 7 & 8	OPTION 1 MOTOR OC-905 Dipswtch 8 OFF(down) Motor - , see notes	Motor + , see notes	OPTION 2 DATA OC-905 Dipswitch 8 ON (up) TB1 Pin 8 see notes	TB1 Pin 10	TB4, Pin 5	TB4, Pin 6	Option 1 Motor see note above for wire polarity. Option 2 Data must install 300 ohm 5 watt resistor onTB-1 from pin 1 to pin 8 & set OC-913 dipswitch 5 ON. If using Safety beam connect output to TB-5 pins 7 & 8.
Tormax									
TDA	Module C Pins 1 & 2	Module C Pins 8 & 9	Module C Pin 1	Module1,Relay A, E14			Module C Pin 10	Module C Pin 8	TDA requires jumper from Module C pin 5 to module E Relay A pin E11
TTX2,Smart Drive	Pins 4 & 5	Pins 18 & 19 (N/C)	Pin 11	Pin 12			Pin 20	Pin 17	On TTX control set solid 2 to flashing 5. 903 dipswitch 1 must be set to ON (N/C). On pairs DPDT relays may be necessary for Activation and safety. Call Tech support for details.