

Elite OC-904C T Control - Connection Matrix				OC-904C T Dipswitch Settings					
Verify proper operation of automatic door system before installing Elite. If Knowing Act function is enabled (904C T switch #3 ON), push-n-go <b>MUST</b> be disabled on automat door system.				1 thru 8 OFF(down). See exceptions in OEM INSTALL NOTES. Knowing Act applications dipswitch 3 must be set to ON (up). Set dipswitch 4 & 6 ON (up) for non-supervised automatic door system.					
				OC-904C T WIRE COLORS					
	GREEN Stall	YELLOW Activate	BLUE Safety	BLACK MTR negative (-)	RED MTR positive (+)	BROWN Power	ORANGE Power	RED/BLUE Test Input (-)	GRAY/PINK Test Input (+)
<b>Manufacturer</b>									
Besam									
300/400	Singles - Pins 15 & 16 (see notes) Pairs - Pins 15 & 16 and 17 & 18	Pins 13 & 14 See Notes	Pins 11 & 12	Motor Negative(-), see notes	Motor positive (+), see notes	Pin 7	Pin 8		
MP / CUP V6.4 OHC only, NO surface applied	TB2, Pins 11 & 5	TB2, Pins 3 & 4	TB2, Pins 11 & 9	TB2, Pin 13	TB2, Pin 19	TB2, Pin 17	TB2, Pin 18		
900	TB1, Pins 3 & 7	TB1, Pins 1 & 3	TB1, Pins 2 & 3	TB1, Pin 8	TB1, Pin 10	TB2, Pin 11	TB2, Pin 12		
SW-100 Single & Pairs <b>Note:</b> <b>Double Egress Contact Optex</b>	EXU-SA Board Pins 1 & 3 See Notes	CU-ESD Board Pins 1 & 2	CU-ESD Board Pins 1 & 4	CU-ESD Board Pins 5	CU-ESD Board Pins 6	CU-ESD Board Pin 1	CU-ESD Board Pin 6		
SW-200 Single & Pairs <b>Note:</b> <b>Double Contact Optex</b> Dorma	EXU-SA Board Pins 1 & 3 See Notes	CU-200 Board Pins 1 & 2	CU-200 Board Pins 1 & 4	CU-200 Board Pins 5	CU-200 Board Pins 6	CU-200 Board Pin 1	CU-200 Board Pin 6		
ED-400	SWING & GND	TRIG & GND.	Presence & GND	Any GND	DATA	Any +24 V	Any GND		
ED-700 Old style	Refer to Horton 4190 Connections								
ED 100 / 250	Call Optex								
<b>Doromatic</b>									
Astroswing,	Purple & Gray wires	Yellow & Gray wires	Blue & Gray wires	Black Motor wire(-) from control.	Red Motor wire(+) from control.	12/24 vac xfmr			
<b>Gyrotech / Nabco</b>									
300/400 Analog	White & Red wires	Black & Red wires	White & Red wires	Red MTR wire or Activate relay Pin B	Black MTR wire or Activate relay Pin A	12/24 vac xfmr			
Magnum Control	Violet(3) and Red(5)	Black(6) and Red(5)	White(4) and Red(5)	J-5 Pin 1 Red wire	J-5 Pin 2 Black wire	12/24 vac xfmr			

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<b>Manufacturer</b>									
U-19 Control	Red (7) & White (6B)	Black (61) & Red (7)	Red (7) & White (6B)	Red Motor Wire See Notes	Blue Motor Wire See Notes	12/24 vac xfmr			
<b>Horton</b>									
4160 Control see notes	Aux. board, Bottom & Top Pins	Black & White wire	Green & White wires	Black Motor wire (-) from control.	Red Motor wire (+) from control.	Power Supply auxiliary 24 VAC, CN3			
4190 Control Including Rev J	CN2 Pins 10 & 8	CN2 Pins 2 & 3	CN2 Pins 4 & 3	CN2 Pin 12 (see notes)	CN2 Pin 7 (see notes)	Power Supply auxiliary 24 VAC, CN3			
<b>Hunter</b>									
FA-8 Old	Saf 2 & Rtn	Act & Rtn	Saf 1 & Rtn	Motor ( - ) see notes	Motor ( + ) see notes	24 V Out	Gnd		
FA-8 New	Saf2 & Gnd	Act & Gnd	Saf1 & Gnd	Sensor -	Sensor +	24 V Out	Gnd		
<b>Keane Monroe</b>									
K-Control	Yellow & White	Green & White	Red & White	Black Motor wire	Red Motor wire	J-6 Blue wires			
8000	Pins 10 & 11	Pins 1 & 2	Pins 4 & 8	Pin 6 (see notes)	Pin 9 (see notes)	Pin 4	Pin 3		
<b>LCN</b>									
2500/9300 series See Notes	Needs Special Harness, See Notes								
<b>Motion Access</b>									
Condor 506	J-9, N & O	J-9, L & M	J-9, H & I	J-9, J	J-9, K	J-9, F	J-9, G		
<b>Quad Systems</b>									
ES-500	CN6 Green & Black	CN2 ACT & COM	CN6 White & Black	CN6 Red	CN6 Brown	CN6 Brown	CN2 24VDC & COM		
<b>Stanley</b>									
Tan L Shape Cont.	Yellow wire and stall safety input *** (See Notes) ***	Yellow & Orange wires	Yellow wire and mat safety input *** (See Notes) ***	White Motor wire (-)	Black Motor wire(+)	12/24 vac xfmr			
MP (HDLE) Control	TB1, Pins 7 & 8	TB1, Pins 1 & 3	TB1, Pins 7 & 8	Motor - , see notes	Motor + , see notes	TB1, Pin 4	TB1, Pin 5		
				OPTION 1 MOTOR see notes					

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				<b>OC-904C T WIRE COLORS</b>					
	GREEN Stall	YELLOW Activate	BLUE Safety	BLACK MTR negative (-)	RED MTR positive (+)	BROWN Power	ORANGE Power	RED/BLUE Test Input (-)	GRAY/PINK Test Input (+)
<b>Manufacturer</b>									
				OPTION 2 DATA see notes					
521 Control	TB3, Pins 3 & 4	TB4, Pins 3 & 4	TB4, Pins 7 & 8	TB1 Pin 10, see notes	TB1 Pin 8 see notes	TB4, Pin 5	TB4, Pin 6		
<b>Tormax</b>									
TDA	Module C Pins 8 & 7	Module C Pins 1&2	Module C Pins 8 & 9	Module C Pin 1	Module 1 Relay A E14	Module C Pin 10	Module C Pin 8		
iMotion 1301 SEE NOTES	A1 & A2	C1 & C2	B1 & B2	E3	E4	B8	B5		
TTX2 Smart Drive	Pins 14 & 15	Pins 4 & 5	Pins 18 & 19	Pin 11	Pin 12	Pin 20	Pin 17		

**Note:**

**Connect Knowing Act devices to purple & white/purple wires.  
DO NOT connect purple & white/purple wires to door control.**

**PURPLE**

Knowing Act Input, See Note Above

**OEM INSTALL NOTES:**

On single swings install jumper from pin 17 to 18. Set 904C T dipswitch 2 to N.C. (up). LH Operator  
Black Motor wire +, RH Operator  
White Motor wire +.

**When Using ON/OFF/HOLD switch, one yellow wire route thru switch.**

CUP software must be **V 6.4**. Set F11= 3 deg., F13=a, F14=a, F16=00, F17=00, F18=00, F19=b, F20=b. On Pairs use sync lines from master to slave on pins 3,4,5,9 including 10 to 12 and 12 to 10.

On pairs if no Besam sync cable, add sync lines Master to Slave TB1 pins 1,2,3 & 7

Remove jumper from pin 1 to pin 3 on EXU-SA board. On Sim Pairs Besam Sync cable required & all connections parallel to Master except green wires (Green wires connect to individual EXU-SA Board). Set OC-904C T Dipswtch 2 to N.C.(up).

Remove jumper from pin 1 to pin 3 on EXU-SA board, install jumper from pin 1 to pin 2 on EXU-SA board. On Sim Pairs Besam Sync cable required & all connections parallel to Master except green wires (Green wires connect to each EXU-SA board). Set OC-904C T Dipswtch 2 to N.C.(up).

On pairs install sync wire from TRIG to TRIG.

Set Function selector switch on DOM control box to Super Nova Slow or Super Nova Stop.

Set door control slide switch to Swing Safe.

Sometimes wire colors at J5 pin 1 & 2 are reversed. Pin 2 is positive motor lead.

**Note:**

**Connect Knowing Act devices to purple & white/purple wires. DO NOT connect purple & white/purple wires to door control.**

**PURPLE**

Knowing Act Input, See Note Above

**OEM INSTALL NOTES:**

Red & Black connect to motor wires before handing harness. On Sim Pair all 904C T wires except red & black go to master control (Master is identified by blue wire on pin 10).

Simultaneous Pairs require DPDT relays to isolate safety inputs. Contact Optex for further information.

An alternate connection for the 904C T red & black wires is same as 4160 control.

LH operator Blue wire +.  
RH operator Red wire+.

Set 904C T dipswitch 2 N.C. (up). Program 8000 AUX1 Output & Input to 1-BEA Bodyguard. On Pairs connect all wires in parallel to master EXCEPT green. Connect green (stall) to master & slave.

Use LCN Retro harness part # 761469 and connect same as Doromatic Astroswing. Check Optex for possible available harness.

On six pin Molex connector, mat safety input is the pin in line with the yellow and orange wires. Stall input pin is directly to the side and next to mat safety input. Select Timer logic.

Magicswing Operator Black motor wire is positive(+).  
Magicforce RH operator Black wire is positive (+), LH operator White wire is positive(+). On Stanley control set S-2 switches 1 and 3 "Off".

**Note:**

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DO NOT connect purple & white/purple wires to door control.**

**PURPLE**

Knowing Act Input, See Note Above

**OEM INSTALL NOTES:**

When using Option 1 MOTOR see motor polarity note above. When using Option 2 DATA, a 300 ohm 5 watt resistor must be installed from TB1 pin 1 to pin 8. When programming 521 control, set Safety Logic to Sensor.

On simultaneous pairs or double egress call Optex for additional wiring instructions.

Connections shown for singles. On simultaneous pairs or double egress call Optex for additional wiring instructions.

On TTX set solid 2 to flashing 2, solid 4 to flashing 2. On 905 set dipswitches 1&2 up, 4 down. Pairs may require D.P.D.T relays to isolate activation and safety inputs.