Elite OC-904C T Control - Connection Matrix

Verify proper operation of automatic door system before installing Elite.

If Knowing Act function is enabled (904C T switch #3 ON), push-n-go **MUST** be disabled on automat door system.

OC-904C T Dipswitch Settings

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) and 5 OFF (down) for non-supervised automatic door system.

Note:

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

	OC-904C T WIRE COLORS									
	GREEN Stall	**YELLOW** Activate	**BLUE** Safety	**BLACK** MTR negitive (-)	**RED** MTR positive (+)	**BROWN** Power	**ORANGE** Power	**RED/BLUE** Test Input (-)	**GRAY/PINK** Test Input (+)	**PURPLE** Knowing Act Input, See Note Above
Manufacturer										**OEM INSTALL NOTES:**
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			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 wire route thru switch.**
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			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.
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			On pairs if no Besam sync cable, add sync lines Master to Slave TB1 pins 1,2,3 & 7
SW-100 Single & Pairs **Note: Double Egress Contact Optex**	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			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 indivual EXU-SA Board). Set OC-904C T Dipswtch 2 to N.C.(up).
SW-200 Single & Pairs **Note: Double Contact Optex**	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			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 boatd). Set OC-904C T Dipswtch 2 to N.C.(up).
Dorma										
ED-400	SWING & GND	TRIG & GND.	Presensce & GND	Any GND	DATA	Any +24 V	Any GND			On pairs install sync wire from TRIG to TRIG.
ED-700 Old style	Refer to Horton 4190 Connections									
ED 100 / 250	Call Optex									
Doromatic										
Astroswing,	Purple & Gray wires	Yellow & Gray wires	Blue & Gray wires	Black Motor wire(-) from control.	Red Motor wire(+) from control.	12/24 vac xfmr				Set Function selector switch on DOM control box to Super Nova Slow or Super Nova Stop.
Gyrotech / Nabco										
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				Set door control slide switch to Swing Safe.
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				Sometimes wire colors at J5 pin 1 & 2 are reversed. Pin 2 is positive motor lead.
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				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).

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OC-904C T WIRE COLORS

Manufacturer	GREEN Stall	YELLOW Activate	BLUE Safety	BLACK MTR negitive (-)	RED MTR positive (+)	BROWN Power	ORANGE Power	RED/BLUE Test Input (-)	GRAY/PINK Test Input (+)	PURPLE Knowing Act Input, See Note Above	OEM INSTALL NOTES:
Horton											
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 auxilary 24 VAC, CN3					Simultaneous Pairs require DPDT relays to isolate safety inputs. Contact Optex for further information.
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 auxilary 24 VAC, CN3					An alternate connection for the 904C T red & black wires is same as 4160 control.
Hunter											
FA-8 Old	Saf 2 & Rtn	Act & Rtn	Saf 1 & Rtn	Motor (-) see notes	Motor (+) see notes	24 V Out	Gnd				LH operator Blue wire +. RH operator Red wire+.
FA-8 New	Saf2 & Gnd	Act & Gnd	Saf1 & Gnd	Sensor -	Sensor +	24 V Out	Gnd				
Keane Monroe											
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				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.
LCN											
2500/9300 series See Notes	Needs Special Harness, See Notes										Use LCN Retro harness part # 761469 and connect same as Doromatic Astroswing. Check Optex for possible available harness.
Motion Access											
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				
Quad Systems											
ES-500	CN6 Green & Black	CN2 ACT & COM	CN6 White & Black	CN6 Red	CN6 Brown	CN6 Brown	CN2 24VDC & COM				
Stanley											
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					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.
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				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".
521 Control	TB3, Pins 3 & 4	TB4, Pins 3 & 4	TB4, Pins 7 & 8	OPTION 1 MOTOR see notes / OPTION 2 DATA see notes: TB1 Pin 10, see notes	TB1 Pin 8 see notes	TB4, Pin 5	TB4, Pin 6				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.
Tormax											

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Manufacturer										**OEM INSTALL NOTES:**
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			On simultaneous pairs or double egress call Optex for additional wiring instructions.
iMotion 1301 SEE NOTES	A1 & A2	C1 & C2	B1 & B2	E3	E4	B8	B5			Connections shown for singles. On simultaneous pairs or double egress call Optex for additional wiring instructions.
TTX2 Smart Drive	Pins 14 & 15	Pins 4 & 5	Pins 18 & 19	Pin 11	Pin 12	Pin 20	Pin 17			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.