

Elite 904 Control - Connection Matrix				OC-904 Dipswitch Settings				Note: Purple wires connect to Knowing Act devices or sensors only. <b>DO NOT</b> connect purple wires to door control
				1 thru 4 OFF(down) See exceptions in Install Notes				
Verify proper operation of door equipment before installing Elite. In Knowing Act (904 switch 3 up) push-n-go MUST be disabled on door equipment				For Knowing act set dipswitch 3 up.				
OC-904 WIRE COLORS								See Note Above
Manufacturer	GREEN Stall	YELLOW Activate	BLUE Safety	BLACK Mtr / Data (-)	RED Mtr / Data (+)	BROWN Power	ORANGE Power	PURPLE (See Note Above)
Besam								
300/400	Single - Pins 15&16 (see notes) Dual- 15&16 and 17&18	Pins 13 & 14	Pins 11 & 12	Motor Negative(-), see notes	Motor positive (+), see notes	Pin 7	Pin 8	<b>INSTALL NOTES:</b> LH Operator Black Motor wire +, RH Operator White wire +. Set 904 dipswitch 2 to N.C. (up). On single swing add jumper from pin 17 to 18.
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. Use sync lines on pairs 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 TB1 pins 1,2,3 & 7
Dorma								
EDA	Safety Side & GND	Trigger & GND.	Presence & GND	GND	Latch	Any +24 V	Any GND	On pairs install sync wire from TRIG to TRIG
ED-400	SWING & GND	TRIG & GND.	Presence & GND	Any GND	DATA	Any +24 V	Any GND	On pairs install sync wire from TRIG to TRIG.
Doromatic								
Astroswing, Gyrotech / Nabco	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.
300/400 Analog	White & Red wires	Black & Red wires	White & Red wires	Red MTR wire	Black MTR wire	12/24 vac xfmr		Set door control slide switch to Swing Safe. Also see note below
Magnum Control	Violet(3) and Red(5) wires	Black(6) and Red(5) wires	Violet(4) and Red(5) wires	J-5 Pin 1 Red wire	J-5 Pin 2 Black wire	12/24 vac xfmr		NABCO recommends connecting all activation devices to OC-904 purple wires & set 904 dipswitch 3 ON.
U-19 Control	Red (7) & White (6B)	Black (61) & Red (7)	Red (7) & White (6B)	Red Motor Wire	Blue Motor Wire	12/24 vac xfmr		See note above. Also On Sim Pair all connections except red & black go to master control (identified by blue wire on pin 10).
Horton								
4160 Control	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		Sim 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 auxiliary 24 VAC, CN3		Alternate connection for 904 red & black is same as 4160
Hunter								
FA-8	Old FA Saf 2 & Rtn New FA Saf2 & Gnd	Old FA Act & Rtn New FA Act & Gnd	Old FA Saf 1 & Rtn New FA Saf1 & Gnd	New FA -Sensor -, Old FA - see notes	New FA-Sensor +, Old FA - see notes	24 V Out	Gnd	Red & black from 904 can connect to motor (red to +, black to -). LH operator Blue wire +, RH operator Red wire+.
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 904 dipswitch 2 N.C. (up), Program 8000 AUX1 Output & Input to 1-BEA Bodyguard
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	TB1 Pin 10, or motor - , see notes	TB1 Pin 8, or motor +, see notes	TB4, Pin 5	TB4, Pin 6	When using TB1 for Red & Black wires a 300 ohm 5 watt resistor must be installed from TB1 pin 1 to pin 8. For motor wire polarity see note above. When programming 521 control, set Safety Logic to Sensor.
Tormax								
TDA	Module C Pins 8 & 7	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	On simultaneous pairs or double egress call Optex for additional wiring instructions.
TTX2 Smart Drive	Pins 14 & 15 (N/C)	Pins 4 & 5	Pins 18 & 19 (N/C)	Pin 11	Pin 12	Pin 20	Pin 17	On TTX set solid 2 to flashing 2, solid 4 to flashing 2. On 904 set dipswitches 1,2 up, 4 down. On pairs use D.P.D.T relays for Activation and safety.