OA-Edge Secondary Activation & Stall Connection Matrix

For Operators listed as follows:

Sam Required (NO): Connections below are good for all Fully Automatic and Knowing Act Applications.

SAM Required (YES): Connections below good for Fully Automatic. Knowing Act Applications require SAM Module or added wiring for OUTPUT 2 (approach side sensor). If using SAM refer to SAM connection Matrix for OUTPUT 2.

General Installation Notes:

Use Output 2 if mounting sensor on approch side.

Use Output 1 if mounting sensor on swing side.

Swing side stall may require additional switch or wiring for inhibit (unless explained below in OEM Notes).

See Reverse Side for more Operator Listings

Manufacturer	POWER 12-24 VAC/VDC — WHITE	POWER — BROWN	OUTPUT 2 (Approach Side Reactivation) COM — GREEN	N/C — YELLOW	N/O — GREY	Output 1 (Swing Side Stall) COM — PINK	N/C — BLUE	N/O — RED	SAM Required For Knowing Act YES/NO	OEM Specific Installation Notes:
Besam										
300/400	Pin 7	Pin 8	Pin 13	Not Used	Pin 14	Not Used	Pin 15	Pin 16	YES	On pairs with swing side stall run second red & blue wires to 17 & 18. On singles jumper required from 17 to 18. If not using swing side stall, jumpers required from 15 to16 &17 to 18. Use B switch for swing side inhibit.
MP / CUP	TB2, Pin 17	TB2, Pin 18	TB2 Pin 4	Not Used	TB2 Pin 2	TB2 Pin 13	Not Used	TB2 Pin 6	NO	Use PMD to program F11=70, F13=a, F14=a, F16=05, F17=00, F18=00, F19=b F20=a. On pairs use sync cables
900 CU2	Pin 12	Pin 11	Pin 3		Pin 1	Pin 9	Not Used	Pin 7	Call Optex	Swing side stall input will inhibit at check. Adjust sensor angle and/or check zone to prevent stall from wall or rail.
Powerswing CSDA	TB1 Pin 7	TB1 Pin 8	TB1 Pin 3	Not Used	TB1 Pin 4	Call OPTEX Technical Support			Call Optex	
Powerswing CSDB	EXB, TB-4, Pin 32	EXB TB-4, Pin 26	Master EXB TB-4, Pin 26 Slave TB-4, Pin 33	Not Used	Master EXB TB-4, Pin 27 Slave TB-5 Pin 34	Master EXB TB-4, Pin 26 Slave TB-4, Pin 33	Master EXB TB-4, Pin 29 Slave TB-4, Pin 36	Not Used	NO	Requires Besam EXB board. For approach side remove EXB Presence Impulse jumpers & set Presence Impulse config jumper to N/O. For swing side remove EXB Presence Detect jumpers. Use besam blanking switches for swing side inhibit.
SW-100	EXU-SA Pin 5	EXU-SA Pin 1	EXU-SA Pin 1	EXU-SA Pin 2	Not Used	EXU-SA Pin 1	EXU-SA Pin 3	Not Used	NO	Requires Besam EXU-SA board. Remove strapping from pin 2 for approach side sensor & pin 3 for swing side sensor. Adjust SA board blanking Pot aprox. 70 degrees for swinge side inhibit.
Dorma										
EDA	Any +24 V	GND	GND	Not Used	APPR	GND	Not Used	SWING	NO	
ED-400 ED-700 New Style	Any +24 V	GND	GND	Not Used	APPR	GND	Not Used	SWING	NO	
ED-700 Old Style	CN2 Pin 1	CN2 Pin 3	CN2 Pin 3	Not Used	CN2 Pin 11	CN2 Pin 8	Not Used	CN2 Pin 10	NO	Set LOUT pot on Door Control to cease lockout 10 degrees or less from full close.
Doromatic										
Astro, Mid & Senoir	12/24 vac xfmr		Yellow wire	Not Used	Grey wire	Purple wire	Not Used	Gray	YES	For stall function select Supernova slow or Supernova stop (Normally 5 or 6). Mid & Senoir do not have stall.
Gyrotech/Nabco										
300/400 Analog	12/24 vac xfmr		Red Wire		Black wire	White wire		Red Wire	YES	For stall function set control slide switch to swing safe.
Magnum Control	12/24 vac xfmr		Red (5)	Not Used	Black wire (6)	Violet (3)	Not Used	Red (5)	YES	
U-19 Control	12/24 vac xfmr		Red (7)	Not Used	Black (61)	White (6B)	Not Used	Red (7)	See Notes	For Knowing act use SAM or wire for night mode. Call Optex Technical support for more information.
Horton										
4160 Control	12/24 vac xfmr		White	Not Used	Black	Aux. board, Pin 1	Not Used	Aux. Board, Pin 3	YES	For Simultaneous pairs contact Optex Technical support for supplement info.
4190 Control	P/S board 24 VAC, CN3	P/S board 24 VAC, CN3	CN2 Pin 11	Not Used	CN2 Pin 2	CN2 Pin 8	Not Used	CN2 Pin 10	NO	For secondary activation adjust 4190 LOUT to be active durring closing within 10 degrees of full close.

If you do not see your operator listed on page 1 or 2 call Optex Technical Support (800)877-6656

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SAM Required (YES): Connections below good for Fully Automatic. Knowing Act Applications require SAM Module or added wiring for OUTPUT 2 (approach side sensor). If using SAM refer to SAM connection Matrix for OUTPUT 2.

General Installation Notes:

Use Output 2 if mounting sensor on approch side.
Use Output 1 if mounting sensor on swing side.

Swing side stall may require additional switch or wiring for inhibit (unless explained below in OEM Notes).

See Reverse Side for more Operator Listings

Manufacturer	POWER 12-24 VAC/VDC WHITE	BROWN	OUTPUT 2 (Approach Side Reactivation) COM GREEN	N/C YELLOW	N/O GREY	Output 1 (Swing Side Stall) COM PINK	N/C BLUE	N/O RED	SAM Required For Knowing Act YES/NO	OEM Specific Installation Notes:
Hunter										
FA-8 Old style	24VAC output		RTN	Not Used	ACTN	RTN	Not Used	SAFE 2	YES	
FA-8 New Style	24VAC output		COMMON	Not Used	ACTN	COMMON	Not Used	SAFE 2	YES	
Digital 09827	24vdc out (+)	24vdc out (-)	Common	Not Used	ACT1	Common	Not Used	Safety 2	YES	On Digital control set LED1 FUNCTION "A" to LED2 ON to provide swing side inhibit at backcheck.
KM / Record										
2000, B Control	12/24 VAC xfmr		Green	Not Used	Red	Contact Optex for details.			Call Optex	
K-Control	J6 Blue wires		J9 White	Not Used	J9 Green	J9 White	Not Used	J9 Yellow	YES	
8000/6100	Pin 3	Pin 4	Pin 11	Pin 12	Not Used	Pin 10	Pin 11	Not Used	NO	When sensor is connected to 10 & 11, jumper must be removed. When sensor is connected to 11 & 12, jumper must be removed.
LCN										
2#00 / 9#00 Series	Use OPTEX Special harness kit, Part Number " Edge-LCN". Wiring instructions included in harness kit.								NO	
4600 Series	Pin 1	Pin 2	Pin 19	Not Used	Pin 20	Not Used, No Stall input on Control			NO	
Stanley										
L shape Control	12/24 VAC xfmr	12/24 VAC xfmr	Pin 1 Yellow	Not Used	Pin 2 Orange	Pin 1 Yellow	Not Used	Pin 6 Blue	YES	Color code for pins 3 & 6 need to be verified in the field. Set Stanley Control to Timer Logic.
MP Control (HDLE)	Pin 4	Pin 5	Pin 1	Not Used	Pin 3	Pin 8	Not Used	Pin 7	YES	Magic Force AUX. cam switch can be used to inhibit swing side sensor. For Magicswing - controls that already have jumper installed from 6 to 8, breakout status switch can be used to inhibit swing side sensor.
MC-521 Control	TB4, Pin 5	TB4, Pin 6	TB4, Pin 3	Not Used	TB4, Pin 4	TB3, Pin 3	Not Used	TB3, Pin 4	YES	MC-521 Safety Logic must be set to Sensor. Magic Force AUX. cam switch can be used to inhibit swing side sensor.
Tormax										
TDA	Module C PIN 10	Module C PIN 8	Module C Pin 8	Not Used	Module C Pin 4	Module C Pin 8	Not Used	Module C Pin 7	NO	
TTX2,Smart Drive Without OHP	Pin 17	Pin 20	Pin19	Pin 18	Not Used	Pin 15	Pin 14	Not Used	NO	Set solid 2 to flashing 5. Sim pairs require Tormax cable #406079
TTX2,Smart Drive With OHP Sensor	Pin 17	Pin 20	Pin 4	Not Used	Pin 5	Pin 15	Pin 14	Not Used	NO	Set solid 2 to flashing 2, solid 4 to flashing 2. Sim pairs require Tormax cable #406079
iMotion 1301/1401/TN110	C Pin 4	C Pin 6	A Pin 5	A Pin 6	Not Used	A Pin 1	A Pin 2	Not Used	NO	