i-oneX T Connection Matrix

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

i-oneX T Select Dipswitch 15 & 16 OFF (DOWN), Dipswitch 5 & 14 ON (UP) Refer to OEM Specific Installation Notes for additional requirements.

i-oneX T Optional connection

For operators highlighted in blue, ACT & Pres connections are in parallel to Activate Input. Optional connection for i-oneX T is to use the highlighted connections only (Yellow, White & Gray) and set dipswitch 14 UP to Simultaneous output.
Note: For ANSI compliance dipswitch14 must be UP.

Sensor Wire Colors

Manufacturer	YELLOW ACT Output Interior	YELLOW ACT Output Exterior	WHITE ACT Output COM Int. & Ext.	Yellow Black Stripe PRES Output Interior	Yellow Black Stripe PRES Output Exterior	White Black Stripe PRES Output COM Int. & Ext.	Red Test Input +	Black Test Input -	GRAY Power Input Int. & ext.	OEM Specific Installation Notes
Besam 3000	Pin 17	Pin 19	Pin 18 or 20	Pin 23		Pin 24	*Not Used*	*Not Used*	12-24 VAC XFMR	
4000	TB1 Pin 5	TB1 Pin 7	TB1 Pin 6 or 8	TB1 Pin 17	TB1 Pin 19	TB1 Pin 6 or 8	*Not Used*	*Not Used*	TB1 Pins 1 & 2	Must Install Jumper wire from pin 7 to pin 19. Exterior sensor set dipswitch 4 ON (UP)
AMD1	TB1 Pin 2	TB1 Pin 4	TB1 Pin 6 or 11 or 16	TB1 Pin 9	TB1 Pin 8	TB1 Pin 6 or 11 or 16	*Not Used*	*Not Used*	TB1 Pins 1 & 6	Must Install Jumper wire from pin 4 to pin 9. Exterior sensor set dipswitch 4 ON (UP)
AMD2	TB1 Pin 13	TB1 Pin 12	TB1 Pin 1 or 5 or 11	TB1 Pin 7	TB1 Pin 9	TB1 Pin 1 or 5 or 11	*Not Used*	*Not Used*	TB1 Pins 10 & 11	Must Install Jumper wire from pin 9 to pin 12. Exterior sensor set dipswitch 4 ON (UP)
UNISLIDE	TB1 Pin 2	TB1 Pin 5	TB1 Pin 1 or 4	TB1 Pin 11	TB1 Pin 12	TB1 Pin 10	TB1 Pin 16	TB1 Pin 15	TB1 Pins 1 & 3	i-oneX T dipswitch 15 Down and 5, 14 & 16 UP. Unislide Control set Function Selector 4=OFF (Down), 7=ON (UP) Must Install Jumper wire from pin 5 to pin 12. Exterior sensor set dipswitch 4 ON (UP)
SL-500	Pin 16	Pin 5	Pin 1 or 15	Pin 9	Pin 11	Pin 8	Pin 14	Pin 13	Int. Pins 1 7 & 15, Ext. Pins 7 & 1	i-oneX T dipswitches 15 Down and 5, 14 & 16 UP. SL-500 Parameters, 09=02, 08=00, 07=00 Must Install Jumper wire from pin 5 to pin 11. Exterior sensor set dipswitch 4 ON (UP)
Dorma ESA - I	Sensor Interface Board Pin 5	Sensor Interface Board Pin 6	Sensor Interface Board Pin 4	Sensor Interface Board Pin 2		Sensor Interface Board Pin 4	*Not Used*	*Not Used*	Sensor Interface Board Pins 1 & 3	Exterior Sensor set dipswitch 4 ON (UP)
ESA - II	Pin 18	Pin 15	Int. Pin 19, Ext. Pin 16	Int. Pin 21, ***Ext. Yellow Stripe Wire to Black Interior Wire***		Int. Pin 24, Ext. Pin 24	*Int. Pin 22, Ext. Pin 22*	***Int. Black to Ext. Yellow Stripe Wire,*** *Ext. Pin 23*	Int. Pins 17 & 19, Ext. Pins 14 & 16	Jumper must be installed on pins 26 to 28. Jumper must be removed from pins 21 to 23. Must set i-oneX T Dipswitch 15 UP, 5 UP, 14 UP & 16 UP (ON). Exterior Sensor set dipswitch 4 ON (UP)
Doromatic ASTROSLIDE 70598-900 Control	Brown Wire of 4 Pin Connector, or, Black Wire of toggle switch		Other Brown Wire of 4 Pin Connector, or, White Wire of toggle switch	Safety Beam Input Two Pin Connector White Wire		Safety Beam Input Two Pin Connector Brown Wire	*Not Used*	*Not Used*	12-24 VAC XFMR	Exterior Sensor set dipswitch 4 ON (UP). For activation, can use Black (ACT) and White (COM) wires of toggle switch 81890-900 or 81895-900. Otherwise use brown wires of 4 pin connector that has Brown and Yellow wires.
96K	Terminal Strip Red Wire	Terminal Strip Green Wire	Terminal Strip, Int. Orange Wire, Ext. Red/Blk Wire	Terminal Strip White/Black Wire		Terminal Strip Blue Wire	*Not Used*	*Not Used*	Terminal Strip Black Wire & White Wire. ** See Notes **	Exterior Sensor set dipswitch 4 ON (UP). Terminal strip has two sets of Black and White wires. One set is breakout switch. Other set is approx. 17 VAC for sensor power. Wires from terminal strip terminate at J2 on control box.
Gil Dor SLM	Pin 9	Pin 10	Pin 8	Pin 9	Pin 10	Pin 8	*Not Used*	*Not Used*	Pin 6 & 7	Exterior Sensor set dipswitch 4 ON (UP). Act & Pres Outputs connect in Parallel. See option above.
Gyrotech/Nabco 1100/Whisper Slide	Black Wire Pin 4		Red Wire Pin 3	Black Wire Pin 4		Red Wire Pin 3	*Not Used*	*Not Used*	12-24 VAC XFMR	Exterior Sensor set dipswitch 4 ON (UP). Act & Pres Outputs connect in Parallel. See option above.
1100 W/R 321UL	White Wire Pin 3		Blue Wire Pin 1	White Wire Pin 3		Blue Wire Pin 1	*Not Used*	*Not Used*	12-24 VAC XFMR	Exterior Sensor set dipswitch 4 ON (UP). Act & Pres Outputs connect in Parallel. See option above.
1175, U-## control	Black Wire (61)	Orange Wire (62)	Red Wire (7)	White Wire (6B)		Red Wire (7)	*Not Used*	*Not Used*	Brown Wire (9), Red Wire (7)	Exterior Sensor set dipswitch 4 ON (UP).
Opus	Terminal 3	Terminal 4	Terminal 2	Terminal 3	Terminal 4	Terminal 2	Terminal 1	Terminal 7	Terminals 1 & 2	Output Setting, Output 1 should be set to "Sensor Monitoring (N.O.)" Input Setting, 61 Monitoring "Active" & 62 Monitoring "Active" Act & Pres Outputs connect in Parallel. See option above. Exterior Sensor set dipswitch 4 ON (UP).
U30 Control	Control Main Harness Black Wire (61)	Control Main Harness Black/Red Striped Wire (62)	Control Main Harness Red Wire (7)	Control Main Harness Black Wire (61)	Main Harness BLK/Red Striped Wire (62)	Control Main Harness Red Wire (7)	*Not Used*	*Not Used*	Control Main Harness Brown Wire & Red Wire	Exterior Sensor set dipswitch 4 ON (UP).
U30 Control Rev. E	Control Main Harness Black Wire (61)	Control Main Harness Black/Red Striped Wire (62)	Control Main Harness Red Wire (7)	Control Main Harness Black Wire (61)	Main Harness BLK/Red Striped Wire (62)	Control Main Harness Red Wire (7)	*Control Main Harness Brown Wire (9DC12V)*	*Control Main HarnessYellow Wire (OUT)*	Control Main Harness Brown Wire 1 & Red Wire 7	Set U30 Rev.E Control Function 23 to 7, Function 18 to 3, Function 16 to N. Exterior Sensor set dipswitch 4 ON (UP)
Horton 2160 Control	Black Wire Pin 1		White Wire Pin 2	Black Wire Pin 1		White Wire Pin 2	*Not Used*	*Not Used*	Red Wire Pin 4 & White Wire Pin 2	Exterior Sensor set dipswitch 4 ON (UP). Act & Pres Outputs connect in Parallel. See option above.
2150 Control	Pin 2	Pin 3	Pin 4	Pin 6		Pin 7	*Not Used*	*Not Used*	Aux 24 VAC on 2 pin connector of P/S	Exterior Sensor set dipswitch 4 ON (UP). Erratic performance may occur when using 24 VDC from 2150 control. Highly recommend using 24 VAC from CN-3 on P/S.
KM/Record KM1100	6 Pin Terminal Red Wire	6 Pin Terminal Red Wire	6 Pin Terminal Green Wire	Terminal Red Wire	Terminal Red Wire	6 Pin Terminal Green Wire	*Not Used*	*Not Used*	Red Wires From XFMR Secondary (24 VAC)	Exterior Sensor set dipswitch 4 ON (UP). Act & Pres Outputs connect in Parallel. See option above.

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i-oneX T Select Dipswitch 15 & 16 OFF (DOWN), Dipswitch 5 & 14 ON (UP) Refer to OEM Specific Installation Notes for additional requirements.

Sensor Wire Colors

Manufacturer	YELLOW ACT Output Interior	YELLOW ACT Output Exterior	WHITE ACT Output COM Int. & Ext.	Yellow Black Stripe PRES Output Interior	Yellow Black Stripe PRES Output Exterior	White Black Stripe PRES Output COM Int. & Ext.	Red Test Input +	Black Test Input -	GRAY Power Input Int. & ext.
Record 5100 System 19	Pin 23	Pin 3	Int. Pin 22, Ext. Pin 2	Pin 23	Pin 3	Int. Pin 22, Ext. Pin 2	*Not Used*	*Not Used*	Int. Pins 21 & 22, Ext. Pins 1 & 2
Record 5100 System 20	Pin 14	Pin 16	Int. Pin 13, Ext. Pin 17	***Yellow/ Striped Wire to Ext. Red Wire,***	Pin 18	Int. Pin13, Ext. Pin 17	Int. Pin 10, ***Ext. Red Wire to Int. Yellow/Striped Wire***	*Int. Pin 15, Ext. Pin 15*	Int. Pins 13 & 15, Ext. Pins 15 & 17
Stanley Dura Glide:									
Old style interface board (hard wire)	Pin 23	Pin 13	Int. Pin 22, Ext. Pin 12	Pin 23	Pin 13	Int. Pin 22, Ext. Pin 12	*Not Used*	*Not Used*	Pins 10 & 11, OR Pins 20 & 21
New style interface board	TB2 Pin 4	TB2 Pin 8	Int. TB2 Pin 3, Ext. TB2 Pin 7	TB2 Pin 4	TB2 Pin 8	Int. TB2 Pin 3, Ext. TB2 Pin 7	*Not Used*	*Not Used*	TB2 Pins 5 & 6
MC 521 Classic	TB4 Pin 4	TB4 Pin 8	Int. TB4 Pin 3, Ext. TB4 Pin 7	TB3 Pin 8		TB3 Pin 7	*Not Used*	*Not Used*	Int. TB4 Pins 1 & 2, Ext. TB4 Pins 5 & 6
MC 521 Pro	TB4 Pin 4	TB4 Pin 8	Int.TB4 Pin 3, Ext. TB4 Pin 7	TB3 Pin 8	TB4 Pin 8	Int. TB3 Pin 7, Ext. TB4 Pin 7	*Int. TB3 Pin 5, Ext. TB4 Pin 5*	*Int. TB3 Pin 4, Ext. TB6 Pin 7*	Int. TB3 Pins 1 & 2, Ext. TB4 Pins 1 & 2
Tormax TLP/TCP51LC	TB-C Pin 2	TB-C Pin 4	Int. TB-C Pin 1, Ext. TB-C Pin 3	TB-C Pin 2	TB-C Pin 4	Int. TB-C Pin 1, Ext. TB-C Pin 3	*Not Used*	*Not Used*	TB-C Pins 5 & 6
TEP/TCP 51 & TXP/TCP 101	TB-C Pin 2	TB-C Pin 7	Int. TB-C Pin 1, Ext. TB-C Pin 6	TB-C Pin 2	TB-C Pin 7	Int. TB-C Pin 1, Ext. TB-C Pin 6	*Not Used*	*Not Used*	TB-C Pins 5 & 6
i Motion 2301/2401	TB-C Pin 2	TB-C Pin 5	Int. TB-C Pin 1, Ext. TB-C Pin 4	TB-B sf3 Pin 2	TB-B sf4 Pin 6	Int. TB-B sf3 Pin 1, Ext. TB-B sf4 Pin 5	Int.TB-B sf3 Pin 4, Ext. TB-B sf4 Pin 8	Int. TB-B sf3 Pin 3, Ext.TB-B sf4 Pin 7	Int. TB-B sf3 Pin 4 & TB-C Pin 1, Ext. TB-B sf4 Pin 8 & TB-C Pin 4

i-oneX T Optional connection

For operators highlighted in blue, ACT & Pres connections are in parallel to Activate input. Optional connection for i-oneX T is to use the highlighted connections only (Yellow, White & Gray) and set dipswitch 14 UP to Simultaneous output.
Note: For ANSI compliance dipswitch14 must be UP.

OEM Specific Installation Notes
Exterior Sensor set dipswitch 4 ON (UP). Act & Pres Outputs connect in Parallel. See option above.
Set dipswitch on Ext. sensor 1, 4, 5, 15 & 16 ON (UP) and 14 OFF (DOWN). Int. sensor dipswitch setting 1, 5, 15 & 16 ON (UP) and 14 OFF (DOWN).
Exterior Sensor set dipswitch 4 ON (UP). Act & Pres Outputs connect in Parallel. See option above.
Exterior Sensor set dipswitch 5 ON (UP). Act & Pres Outputs connect in Parallel. See option above.
Exterior Sensor set dipswitch 4 ON (UP). Act & Pres Outputs connect in parallel. See option above.
Install jumpers on TB6 pins 9 to 10, TB3 Pins 1 to 5, TB3 pins 2 to 6, and Clip or remove jumper JP200 on control, Set MC 521 "Safety Logic" Value = MONITORED, i-oneX T dipswitch 15 OFF (DOWN) & Dipswitch 16 ON (UP). Exterior Sensor set dipswitch 4 ON
Exterior Sensor set dipswitch 4 ON (UP). Act & Pres Outputs connect in Parallel. See option above.
Exterior Sensor set dipswitch 4 ON (UP). Act & Pres Outputs connect in Parallel. See option above.
Select dipswitch 5,15 & 16 ON (UP) and 14 OFF (DOWN). Exterior Sensor dipswitch 4 ON (UP). Perform an Auto Configuration with Code 021 or 022 or the SW2 button.

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