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TECHNICAL BULLETIN

Date: December 19, 2017

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Sensor Monitoring Settings

This is an update to Bulletin 89 issued on November 14th.

A correction has been made to the Settings Table that was included with Bulletin 89.

When using Superscan T sensors with the Opus control,
"Output 1" on the Opus should be set to "Monitoring N.C."

Corrected tables for all controls and sensors are on the following pages of this bulletin.

Bulletin Number: **89A**

Sensor Monitoring
Quick Setup Guide

U30 Control	Sensor Monitoring settings for Automatic Sliding Doors with U30 Control				
Acusensor M		**Acuzone / X-zone T**		**Optex OS-12 T**	
U30	**Sensor**	**U30**	**Sensor**	**U30**	**Sensor**
Function 6 (monitoring logic) ▲ set to "N" (nomally open / High active)	Dip Switch 3 (output logic) set to "N.O." (down position)	Function 6 (monitoring logic) ▲ set to "N" (nomally open / High active)	Dip Switch 11 (activation output logic) set to "N.O." (down position)	Function 6 (monitoring logic) ▲ set to "N" (nomally open / High active)	Set to Mode "B" (two flashes) ▲(1 flash)
Function 18 (61 & 62 monitoring) set to "3" (61 & 62 both monitored)	Dip Switch 4 (input logic) ▲ set to "High" (down position)	Function 18 (61 & 62 monitoring) set to "3" (61 &62 both monitored)	Dip Switch 12 (safety output logic) set to "N.O." (down position)	Function 17 (6B & SWL monitoring) ● set to "1" (6B monitored)	
Function 23 (Aux Output 2) set to "7" (Monitoring output ON)		Function 23 (Aux Output 2) set to "7" (Monitoring output ON)	Dip Switch 13 (test input) ▲ set to "High" (down position)	Function 23 (Aux Output 2) set to "7" (Monitoring output ON)	
			Dip Switch 14 (Simultaneous output) set to "ON" (up position)	● **If Sidelite Safety sensors are used and monitored, "Function 17" on U30 should be set to "3" (6B & SWL monitored)**	

Optex i-OneX T		**BEA IXIO**	
U30	**Sensor**	**U30**	**Sensor**
Function 6 (monitoring logic) ▲ set to "N" (nomally open / High active)	Dip Switch 14 (Simultaneous output) set to "ON" (up position)	Function 6 (monitoring logic) set to "Y" (nomally closed / Low active)	"Test" set to "ON"
Function 18 (61 & 62 monitoring) set to "3" (61 & 62 both monitored)	Dip Switch 15 (safety output logic) set to "N.O." (down position)	Function 18 (61 & 62 monitoring) set to "3" (61 & 62 both monitored)	"Rad Output" and "IR Output" set to "DeEner / N.O."
Function 23 (Aux Output 2) set to "7" (Monitoring output ON)	Dip Switch 16 (safety input) ▲ set to "High" (down position)	Function 23 (Aux Output 2) set to "7" (Monitoring output ON)	
		▲ **Since the BEA IXIO has only "Low Active" monitoring, all other devices must also be set to "Low Active"**	

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Opus Control	Sensor Monitoring settings for Swing and Folding Doors with Opus Control				
Acusensor M (overhead presence)		**OA-Edge T (approach side)**		**OA-Edge T (swing side)**	
Opus	**Sensor**	**Opus**	**Sensor**	**Opus**	**Sensor**
"Output 1" (Terminal 7 output) ▲ set to "Monitoring N.O." (high active)	Dip Switch 3 (output logic) set to "N.O." (down position)	"Output 1" (Terminal 7 output) ▲ set to "Monitoring N.O." (high active)	Dip Switch A7 (Test Input) ▲ set to "High" (high position)	"Output 1" (Terminal 7 output) ▲ set to "Monitoring N.O." (high active)	Dip Switch A7 (Test Input) ▲ set to "High" (high position)
"SWL Monitoring" (terminal 6, SWL input) set to "Active"	Dip Switch 4 (input logic) ▲ set to "High" (down position)	"62 Monitoring" (terminal 4, 62 input) set to "Active"	Dip Switch A8 (Test Input timer) set to "10msec." (up position)	"6B Monitoring" (terminal 5, 6B input) set to "Active"	Dip Switch A8 (Test Input timer) set to "10msec." (up position)
		"Input 62" (terminal 4, 62 input) set to "LE approach sensor"	Dip Switch B3 (monitoring) set to "Enable" (up position)		Dip Switch B3 (monitoring) set to "Enable" (up position)
			Dip Switch B4 (output select) set to "closing side" (down position)		Dip Switch B4 (output select) set to "opening side" (up position)
LZR microscan T		**Superscan T (approach side)**		**Superscan T (swing side)**	
Opus	**Sensor**	**Opus**	**Sensor**	**Opus**	**Sensor**
"Output 1" (Terminal 7 output) ▲ set to "Monitoring N.O." (high active)	"Monitoring" set to "Act & Stall"	"Output 1" (Terminal 7 output) set to "Monitoring N.C." (low active)	J3 set to Monitoring "ON"	"Output 1" (Terminal 7 output) set to "Monitoring N.C." (low active)	J3 set to Monitoring "ON"
"61 Monitoring" (terminal 1, 61 input) set to "Active"	"Monitoring Logic" set to "High Active"▲	"62 Monitoring" (terminal 4, 62 input) set to "Active"		"6B Monitoring" (terminal 5, 6B input) set to "Active"	
"6B Monitoring" (terminal 5, 6B input) set to "Active"		"Input 62" (terminal 4, 62 input) set to "LE approach sensor"			
		▲ **Since the Superscan T has only "Low Active" monitoring, all other devices must also be set to "Low Active"**		▲ **Since the Superscan T has only "Low Active" monitoring, all other devices must also be set to "Low Active"**	
Optex Elite T, Settings on OC-904C T		**Optex Primier T**		**BodyGuard T**	
Opus	**Sensor**	**Opus**	**Sensor**	**Opus**	**Sensor**
"Output 1" (Terminal 7 output) ▲ set to "Monitoring N.O." (high active)	Dipswitch 4, Test Input set to "Enable"	"Output 1" (Terminal 7 output) ▲ set to "Monitoring N.O." (high active)	Dipswitch 7, Test Input set to "Enable"	"SWL Monitoring" (terminal 6, SWL input) set to "Active"	Monitoring Dip Switch set to "ON"
"61 Monitoring" (terminal 1, 61 input) set to "Active"	Dipswitch 5, Test Input ▲ set to "High"	"SWL Monitoring" (terminal 6, SWL input) set to "Active"	Dipswitch 8, Test Input ▲ set to "High"	"Output 1" (Terminal 7 output) set to "Monitoring (N.C.)" *See note	Output Conif. Should be N.O. relay
"6B Monitoring" (terminal 5, 6B input) set to "Active"	Dipswitch 6, Test output (Activate) set to "Enable"			**IF USED**: "Output 2" (Terminal 13 output) set to "BEA Bodyguard Output"	
				▲ **Since the BodyGuard T has only "Low Active" monitoring, all other devices must also be set to "Low Active"**	

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GT20 Control	Sensor Monitoring settings for Swing Doors with GT20 Control				
Acusensor M (overhead presence)		**OA-Edge T (approach side)**		**OA-Edge T (swing side)**	
GT20	**Sensor**	**GT20**	**Sensor**	**GT20**	**Sensor**
No special settings needed. Monitoring always enabled, low active	Dip Switch 3 (output logic) set to "N.C." (up position)	No special settings needed. Monitoring always enabled, low active	Dip Switch A7 (Test Input) set to "Low" (low position)	No special settings needed. Monitoring always enabled, low active	Dip Switch A7 (Test Input) set to "Low" (low position)
	Dip Switch 4 (input logic) set to "Low" (up position)		Dip Switch A8 (Test Input timer) set to "10msec." (up position)		Dip Switch A8 (Test Input timer) set to "10msec." (up position)
			Dip Switch B3 (monitoring) set to "Enable" (up position)		Dip Switch B3 (monitoring) set to "Enable" (up position)
			Dip Switch B4 (output select) set to "closing side" (down position)		Dip Switch B4 (output select) set to "opening side" (up position)
			Must use Normally Closed output		Must use Normally Closed output
Optex Primier T		**Superscan T (approach side)**		**Superscan T (swing side)**	
GT20	**Sensor**	**GT20**	**Sensor**	**GT20**	**Sensor**
No special settings needed. Monitoring always enabled, low active	Dipswitch 1, Safety relay contact ste to "N.C."	No special settings needed. Monitoring always enabled, low active	J3 set to Monitoring "ON"	No special settings needed. Monitoring always enabled, low active	J3 set to Monitoring "ON"
	Dipswitch 7, Test Input set to "Enable"		Must use Normally Closed output		Must use Normally Closed output
	Dipswitch 8, Test Input set to "Low"				