



BEA LZR-MICROSCAN T Door Control Wiring Matrix Instructions

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BEA, INC. INSTALLATION/SERVICE COMPLIANCE EXPECTATIONS

BEA, Inc., the sensor manufacturer, cannot be held responsible for incorrect installations or incorrect adjustments of the sensor/device; therefore, BEA, Inc. does not guarantee any use of the sensor/device outside of its intended purpose.

BEA, Inc. strongly recommends that installation and service technicians be AAADM certified for pedestrian doors, IDA-certified for doors/gates, and factory-trained for the type of door/gate system.

Installers and service personnel are responsible for executing a risk assessment following each installation/service

performed, ensuring that the sensor/device system performance is compliant with local, national, and international regulations, codes, and standards.

Once installation or service work is complete, a safety inspection of the door/gate shall be performed per the door/gate manufacturer's recommendations and/or per AAADM/ANSI/DASMA guidelines (where applicable) for best industry practices. Safety inspections must be performed during each service call – examples of these safety inspections can be found on an AAADM safety information label (e.g. ANSI/DASMA 102, ANSI/DASMA 107, UL294, UL325, and International Building Code).

Verify that all appropriate industry signage, warning labels, and placards are in place.



	Pwr Harness (20.5095)		Door Control Harness (20.5222)						System Harness (20.5304)			
	R	Bk	G	Y	W	G	Y	W	O	O	Gy	P
						R	R	R			Gy	BI
	POWER 1		ACT (N.O.)	ACT (N.C.)	ACT (COM)	STALL (N.O.)	STALL (N.C.)	STALL (COM)	HOME see note 2	HOME see note 2	PUSH PLATE	MONITORING 3
Besam ETIK 4	30.5558		13		12		15/17	16/18	DPS			Not supported.
Besam MP/CUP	30.5558		3		4	5		4	DPS			Not supported.
Besam Power Swing/EXB	30.5558		TB3-21		TB3-20		TB4-29	TB4-26	DPS			Not supported.
Besam SM 900/CU2	30.5558		1		3	TB1-7		3	DPS			Not supported.
Assa Abloy SW 100/200, Ditec HA9 5	24V+	GN D	CU-ESD 2		CU-ESD 1		EXU-SA 3	EXU-SA1	EXU-SA 7	EXU-SA 8		Refer to BEA product User's Guide and OEM manual.
CONDOR	30.5558		ACTIVATE 17		COM 16	DMSO		COMMON	DPS			Not supported.
DCU DC700 Access Auto. ES500 Quad Systems ES500	30.5558		CN2 #2		CN2 #3	CN6 GREEN		CN6 BLACK	DPS			Not supported.

Detex BS1000 S/UDC100	30.5558	2		1	5		1	DPS		Not support ed.
Dor-O-Matic	30.5558	YELL OW		GRA Y	PUR PLE		GRA Y	DPS		Not support ed.
Dorma 400/70 0	30.5558	TRIG GER		GND	SWI NG		GND	DPS		Not support ed.
Dorma ED 10 0/250 6	1	3	42	3		15	3	97	98	Refer to BE A product U ser's Guide and OEM m anual.
Gyrotech/Nab co Magnum	30.5558	6 BL ACK		5 RE D	3 VI OLE T		5 RE D	DPS		Not support ed.
Gyrotech/Nab co Opus	30.5558	3		2	5		2	DPS		Refer to BE A product U ser's Guide and OEM m anual.
Gyrotech/Nab co U19	30.5558	61/62		RED 7	WHI TE 6 B		RED 7	DPS		Not support ed.
Gyrotech 300/400 7	30.5558	BLA CK		RED	WHI TE		RED	DPS		Not support ed.
Horton 4160- 3 8	30.5558	BLA CK		WHI TE	DAU GHT ER B OAR D		DAU GHT ER B OAR D	DPS		Not support ed.
Horton 4190	30.5558	2		3	10		3	DPS		Not support ed.
Horton 5190 9	30.5558	CN2 0 2 = in terior 3 = e xterio r		CN7 COM	CN1 6 OR ANG E (10)		CN1 6 YE LLO W (9)	DPS		Not support ed.
Hunter HA, Di tec HA8	30.5558	ACT		RTN	SAF E 2		RTN	DPS		Not support ed.
Keane-Monro e K	30.5558	GRE EN		WHI TE	YELL OW		WHI TE	DPS		Not support ed.
LCN Digital / Senior Swing	30.5558	P6 Y ELL OW		P6 G RAY	P2 G REE N		P2 W HITE	DPS		Not support ed.

Conne ct any dr y-conta ct, kno wing ac t device to the 2 gray wir es. Be cert ain to t urn on Knowin g Act at the hub .

Record 6000/ 8000 10	4	6	2		1		10	11	DPS	Refer to BE A product U ser's Guide and OEM m anual.
Stanley "L" 11	30.5558		ORA NGE		YELL OW	BLU E		YELL OW	DPS	Not support ed.
Stanley MP	30.5558		2		8	7		8	DPS	Not support ed.
Stanley MC 5 21 12	30.5558		TB4- 4		TB4- 3	TB3- 4		TB3- 3	see note 3	Refer to BE A product U ser's Guide and OEM m anual.
Stanley MC 5 21 Pro and IQ 12	TB4 -5	TB4 -6	TB4- 4		TB4- 3	TB3- 4		TB3- 3	see note 3	Refer to BE A product U ser's Guide and OEM m anual.
Tucker	30.5558		J4-1 0		J4-8 j umpe d to 12 & 13		J4-1 4	J4-8 j umpe d to 12 & 13	J5 – 4 and 5	Not support ed.
Tormax 130iM otion	30.5558		INPU T C # 2		INPU T C # 1	SAF ETY A #2		SAF ETY A #1	DPS	Refer to BE A product U ser's Guide and OEM m anual.
Tormax TDA	30.5558		2		8	7		8	DPS	Not support ed.
Tormax TTX II	30.5558		5		4			14	DPS	Not support ed.

Note 1	If only VAC power is available, a 12V transformer paired with a rectifier must be used. Do not use a 24V transformer and rectifier as this will cause damage to the product.
Note 2	Auxiliary Switch: If installing onto a pair or double-egress, ensure to series both home switches. Switches must close when door is closed.

Note 3	Monitoring consists of two purple and two blue wires. If monitoring is not used, cap off unused purple and blue wires. Wire as follows:		
	Door Type	System Harness	Control Monitoring
	Single	1 blue + 1 purple	1st leg
		1 blue + 1 purple	2nd leg
	Pair / Dual Egress	1 blue + 1 purple	1st leg
		1 blue + 1 purple	2nd leg
	Pair / Dual Egress (independent controls)	2 blues	1st control
		2 purples	2nd control
Effective November 11, 2017: Monitoring is required for ANSI 156.10 compliance.			
Note 4 (BESAM ETIK)	Jump 17+18, if not used.		
Note 5 (BESAM SW 100/200, Dite c HA9)	Set EXU-SA jumper to “Door open/closed” indication. Jump 1+2 on EXU-SA board. Blanking Potentiometer must be set fully counterclockwise. Auxiliary switch may be used for home switch.		
Note 6 (DORMA ED 100/250)	Jump 11+3 on control. Use ON/OFF/H.O. jumper. Control switches must be used. Make certain Home Switch Control Function “Sr” is set to 1.		
Note 7 (GYROTECH 300/400)	Set control to “swing-safe.”		
Note 8 (HORTON 41 60-3)	Must have daughter board.		
Note 9 (HORTON 51 90)	If using the MICROSCAN On/Off/Hold switch, BEA recommends using CN20 terminal 2. The CN1 harness will sync two operators so you do not have to use both door control “a” and “b” harnesses.		
Note 10 (RECORD 60 00/8000)	Jump 11+12 and 14+15.		
Note 11 (STANLEY “L”)	The older Stanley, all metal (silver), “L” shape control does not have stall. A control with stall must be used.		
Note 12 (STANLEY MC521 / MC521 PRO and IQ)	Jump TB2 2+3 (if not using factory On/Off/Hold Switch).		


Customer Support

Tech Support: 1-800-407-4545 | Customer Service: 1-800-523-2462
General Tech Questions: techservices-us@BEAsensors.com | www.BEAsensors.com

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Documents / Resources

	<p>BEA LZR-MICROSCAN T Door Control Wiring Matrix [pdf] Instructions LZR-MICROSCAN T Door Control Wiring Matrix, LZR-MICROSCAN T, Door Control Wiring Matrix, Control Wiring Matrix, Wiring Matrix, Matrix</p>
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References

- [BEA Homepage](#) | [BEA Sensors](#)
- [User Manual](#)

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