NOTE: 1) WIZARD II OUTPUT MUST BE REDIRECTED BY USING THE REMOTE. PRESS UNLOCK, F1, 1, LOCK, LOCK. THIS WILL ENSURE THRESHOLD PROTECTION IS ENABLED.

IF AFTER TROUBLESHOOTING A PROBLEM, A SATISFACTORY SOLUTION CANNOT BE ACHieved, PLEASE CALL B.E.A., INC.
FOR FURTHER ASSISTANCE DURING EASTERN STANDARD TIME AT 1-800-523-2462 FROM 8AM - 5PM. FOR AFTER-HOURS,
LEAVE ANY PROBLEM UNRESOLVED. IF YOU MUST WAIT FOR THE FOLLOWING WORKDAY TO CALL B.E.A., LEAVE THE
DOOR INOPERABLE UNTIL SATISFACTORY REPAIRS CAN BE MADE. NEVER SACRIFICE THE SAFE OPERATION OF THE
AUTOMATIC DOOR OR GATE FOR AN INCOMPLETE SOLUTION.WEB: WWW.BEASENSORS.COM

100 ENTERPRISE DRIVE
PITTSBURGH, PA 15275
PHONE: (412) 249-4100
FAX: (412) 249-4101
EMAIL: www.beasensors.com

TITLE: GYROTECH 300 / 400 WITH MC-10 DELAY, LO-21, BODYGUARD

SIZE: A
DRAWN BY: KJ G
REV BY: KJ G
PART NO: 80.0085.02
SCALE: NONE
DATE: 5 SEP 2005
SHEET: 1 OF 1
NOTES: 1) MUST SLIDE SWITCH ON CONTROL TO "SWING SAFE" POSITION.
2) MC15 DIP SWITCHES 6, 7, 8, NOT USED.

NOTES: 1) BEA RECOMMENDS USING THE LO-21  
2) CONNECT LO-21 RED TO (A) AND BLACK TO (B) OF THE PLUG-IN PINS ON THE ACTIVATION RELAY COIL OF CONTROL BOX  
3) THE SAFETY MODE SWITCH SHOULD BE IN SAFETY STD.  
4) WHEN USING DC VOLTAGE, POLARITY MUST BE REPECTED: ORANGE: (-) BROWN: (+)  

CUT YELLOW, BLUE AND WHITE WIRES GOING FROM CONTROL BOX TO BACK-CHECK SWITCH ON OPERATOR CAM. YELLOW AND BLUE FROM CAM SWITCH USED FOR COIL ACTIVATION SEE FIGURE 2. TERM 7 & 8. YELLOW TERM(5) BLUE TERM (1) WHITE TERM (3) FROM CONTROL BOX TO ISO RELAY CONTACTS. FIGURE 1 TO TERM 6 & 2 SERIES INTO NORMALLY OPEN CIRCUITS FOR SAFETY SLOW, CONTROL BOX SAFETY TO (SWING). FIGURE 3.

**FIGURE 1: WIRING FROM CONTROL BOX FOR BACK CHECK**

**FIGURE 2**

**FIGURE 3**
If after troubleshooting a problem, a satisfactory solution cannot be achieved, please call B.E.A., Inc. for further assistance during Eastern Standard Time at 1-800-523-2462 from 8AM - 5PM. For after-hours, call East Coast: 1-866-836-1863 or 1-800-407-4545 / Mid-West: 1-888-308-8843 / West Coast: 1-888-419-2564. Do not leave any problem unresolved. If you must wait for the following workday to call B.E.A., leave the door inoperable until satisfactory repairs can be made. Never sacrifice the safe operation of the automatic door or gate for an incomplete solution. Web: www.beasensors.com
NOTES: PLACE SAFETY SWITCH ON CONTROL IN "SWING STD" POSITION

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MICROCELL ONE

RECEIVER (A), EMITTER (A)
WH=WHITE, BL=BLACK

EAGLE

DATA +  7  blue
DATA -   6  brown
N.C.     5
N.O.     4
COM      3  white
POWER  1  red
POWER  2  black
POWER  3  red
POWER  4  black

BODYGUARD

DATA +  7  blue
DATA -   6  brown
N.C.     5
N.O.     4  green
COM      3  white
POWER  1  black
POWER  2  black
POWER  3  red
POWER  4  black

LO21B/U

RED WHITE  BLACK
YELLOW  RED  BLACK

MICROCELL ONE

RECEIVER (B), EMITTER (B)
WH=WHITE, BL=BLACK

EAGLE

DATA +  7  blue
DATA -   6  brown
N.C.     5
N.O.     4
COM      3  white
POWER  1  red
POWER  2  black
POWER  3  black
POWER  4  red

BODYGUARD

DATA +  7  blue
DATA -   6  brown
N.C.     5
N.O.     4  green
COM      3  white
POWER  1  red
POWER  2  black
POWER  3  black
POWER  4  red

LO21B/U DEFAULT DIP SWITCHES

RED  ON
GREEN OFF

MICROCELL ONE

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WH=WHITE, BL=BLACK

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DATA +  7  blue
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N.C.     5
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COM      3  white
POWER  1  red
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POWER  3  black
POWER  4  red

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POWER  2  black
POWER  3  black
POWER  4  red

LO21B/U DEFAULT DIP SWITCHES

RED  ON
GREEN OFF
NOTE: WIRE REMAINING LO-21 WIRES ACCORDING TO THE LO-21 MANUAL.
NOTES: 1) MUST SLIDE SWITCH ON CONTROL TO SWING SAFE POSITION.
2) MC15 DIP SWITCHES 6, 7, 8, NOT USED.

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NOTE: 1) LO21U DIPSWITCH SETTINGS #1-5 (LOCK-OUT TIME), #6 (DOWN/ON), #7 (UP/ OFF), #8 (DOWN/ ON).
### Part 1: Table

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### Part 2: Diagram

- **Lo-Linx Motor Harness p/n: 20.5076**
- **Lo-Linx Switch Harness p/n: 20.5078**
- **Lo-Linx Control Harness p/n: 20.5097**
- **Lo-Linx Bodyguard (Y) Harness p/n: 20.5097**
- **Lo-Linx Supercan Harness p/n: 70.5071**
- **Lo-Linx Eagle Harness p/n: 20.5066**

### Notes:
1. Motor connection is tied in parallel to existing motor leads. No respect to polarity is required.
2. External switches are required if inhibit desired at swing side superscans, switch opens upon inhibit point.
3. The knowing act switch is connected at the aux input and can be any dry contact device such as a pushplate, card reader, etc. The aux input is required for all initial activation when function ‘F1’ on the Lo-Linx is set to ‘01’.
4. The second bodyguard and eagle are primarily used in dual-egress applications. Ensure bodyguard relay value is set to 2.

### Additional Information
- **BOYD GUARD**
- **MOTOR APPROACH SIDE**
- **MOTOR SAFETY SIDE**

---

**Title:** Gyro-Tech Magnum Control

**Scope of Work:**
- Following troubleshooting, a satisfactory solution cannot be achieved, please call B.E.A., Inc. for further assistance during eastern standard time at 1-800-523-2452 from 8AM - 5PM. For after-hours, call east coast: 1-866-836-1863 or 1-800-407-4545.
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- Do not leave any problem unresolved. If you must wait for the following workday to call B.E.A., leave the door inoperable until satisfactory repairs can be made. Never sacrifice the safe operation of the automatic door or gate for an incomplete solution. Web: www.beasensors.com

---

**Title:** Gyro-Tech Magnum Control

**LO-LINX System**

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