NOTES: 1) EAGLES, IRIS, MICROCELLS, WILL OPERATE WITH THE 24 VAC ON THE C3938 POWER SUPPLY CN3.


**REFERENCES:**
- Receiver (A), Emitter (A)
- Receiver (B), Emitter (B)
- WH = WHITE, BL = BLACK

**PARTS LIST:**
- MICROCELL ONE
  - Receiver (A), Emitter (A)
  - Receiver (B), Emitter (B)
  - WH = WHITE, BL = BLACK

**C2150 CONTROL**
- +24VDC
- INTERIOR SW
- EXTERIOR SW
- COMMON
- +24VDC
- SAFETY BEAM
- COMMON
- TOGGLE SW
- COMMON
- CLS MON SW
- COMMON
- PARTIAL OPEN
- 2WAY/1WAY
- NIGHT SW
- COMMON
- DAY/NITE SW

**BEA Sensors**
100 Enterprise Drive
Pittsburgh, PA 15275
Phone: (412) 249-4100
Fax: (412) 249-4101
Email: www.beasensors.com
NOTES: 1) CUT YELLOW, BROWN AND ORANGE WIRES GOING FROM CONTROL BOX TO BACK-CHECK SWITCH ON OPERATOR CAM.  
2) YELLOW AND ORANGE FROM CAM SWITCH USED FOR COIL ACTIVATION SEE FIGURE 2.  
3) YELLOW TERM (5) BROWN TERM (1) ORANGE TERM (3) FROM CONTROL BOX TO ISO RELAY CONTACTS.  
4) WIRE BODYGUARD TO LO21 IN ACCORDANCE TO LO21 MANUAL.

NOTES: 1) ON THE C2150 CONTROL TURN FUNCTION "SP" ON.


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

TITLE: HORTON C2150 WITH WIZARDS, CRYSTAL SIDELITE PROTECTION

PART NO: 80.0093.03
SIZE: A
DRAWN BY: Kj G
REV BY: TUC
SCALE: NONE
DATE: 08 NOV 2005
SHEET 1 OF 1
NOTES: USE CN3 FOR POWER


TITLE: HORTON C4190 CONTROL WITH PARALLAX 2 SYSTEM
Q-DISCONNECT ON SAFETY SIDE
NOTES: 1) PARALLEL ACT, COM, SAF FOR PAIR DOORS. OR MAY REQUIRE HORTON C7215 SIMULTANEOUS ACTIVATION MODULE. CONTACT BEA TECH SUPPORT FOR MORE INFO IF NECESSARY


OPTIONAL PUSHPLATE ACTIVATION

BODYGUARD

APPRCH SIDE SSCAN

LE-21

OPTIONAL PUSH ACTIVATION CONNECTION POINT

ACTIVATION RELAY

ACT

COM

SAF

HORTON 7160

MC-15

Transformer

115 V

24 V

24 V

EAGLE

ACTIVATION RELAY

Black

Red

Green

Blue

Gray

White

Black/White

Red/Black

Red/White

MC15 DEFAULT DIP SWITCHES

OFF

ON

LE21 DEFAULT DIP SWITCHES

OFF

ON

Closed contact when door is closed

OPTIONAL PUSH ACTIVATION CONNECTION POINT

STP

80.0096.03
1) IRIS, EAGLES, AND MICROCELL WILL OPERATE WITH THE 24VAC ON THE C3938 POWER SUPPLY CN3.

2) EAGLES ARE REQUIRED FOR SECONDARY ACTIVATION PER ANSI A156.10

NOTES:

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

RA WH 1
RA BL 2
EA WH 3
EA BL 4

RB WH 1
RB BL 2
EB WH 3
EB BL 4

12-24 VAC/DC

+24VDC

+24VDC

12-24 VAC/DC

12-24 VAC/DC

**RECEIVER (A), EMITTER (A)**

**RECEIVER (B), EMITTER (B)**

WH= WHITE, BL= BLACK

MICROCELL ONE


TITLE: HORTON C2150 W/KNOWING ACT IRIS, EAGLE
** DOOR POSITION SWITCH MUST BE CLOSED UNTIL DOOR REACHES
70 DEGREES OPEN OR ADJUST TO WHERE DESIRED.

HORTON'S SAFETY MODULE IS NOT NECESSARY.

ISO RELAY WILL CONTROL BOTH SS-21 MODULES SIMULTANEOUSLY.

MUST HAVE 2 SS-21'S WITH 2 CONTROL BOXES.
NOTES: USE CN3 FOR POWER

NOTES: 1) BEA RECOMMENDS USING THE LO-21
2) LO-21 RED AND BLACK WIRES MUST CONNECT TO THE CORRECT MOTOR POLARITY, RED=POSITIVE, BLACK=NEGATIVE.
3) WHEN USING DC VOLTAGE, POLARITY MUST BE MAINTAINED AS ORANGE: (-)  BROWN: (+)
4) NOTE REF LO21: CONNECT THE DASHED LINES GREEN, BLUE, BLACK/WHITE, PURPLE, & GRAY IF SBK BEAMS ARE USED. IF DRY CONTACT BEAMS (MICROCELL BEAMS) ARE USED CONNECT MICROCELL COM. & N.O. TO PURPLE & GRAY RESPECTIVELY, THEN BLUE & GREEN TO DOOR CONTROL COM. & SAFETY RESPECTIVELY.

NOTES: 1) REDIRECT WIZARD RELAY MODE WITH REMOTE BY SELECTING F1 THEN 1, LOCK, LOCK.

NOTES: DAY/NIGHT SWITCH WILL DISABLE INPUTS ON # 3 "EXTERIOR SW".

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
NOTE: 1) WIZARDS AND MICROCELL 1 WILL OPERATE WITH THE 24 VAC ON THE C3925 POWER SUPPLY.

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
NOTE: SWITCH MUST OPEN 10 DEGREES FROM DOOR CLOSING

NOTES: 1) CAP OFF REMAINING UNUSED WIRES ON LO21.
2) LO21 DIP SWITCHES 1-5 FOR LOCKOUT TIME. #6,7,8, NOT USED.
3) OPTION: CONNECT LO21 MOTOR LEAD RED TO TERMINAL 1 AND BLACK TO TERMINAL 12.


TITLE: HORTON C4190 CONTROL WITH PARALLAX 2 SYSTEM, LO21 Q-DISCONNECT ON APPROACH SIDE
NOTES: 1) CAP OFF REMAINING UNUSED WIRES ON LO21.
2) LO21 DIP SWITCHES 1-5 FOR LOCKOUT TIME...6,7,8, NOT USED.
3) OPTION: CONNECT LO21 MOTOR LEAD RED TO TERMINAL 1 AND BLACK TO TERMINAL 12.

**NOTES:**
1. MOTOR CONNECTION IS TIED IN PARALLEL TO EXISTING MOTOR LEADS. NO RESPECT TO PALARITY IS REQUIRED.
2. EXTERNAL SWITCH IS 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 "FA" ON THE LO-LINX IS SET TO '01'.
5. INSERT JUMPER INTO 5 & 6.