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A HALMA GROUP COMPANY

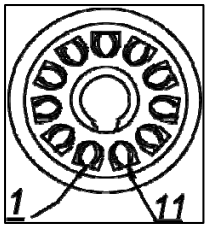
# USERS GUIDE
# MATRIX WIRE HARNESS

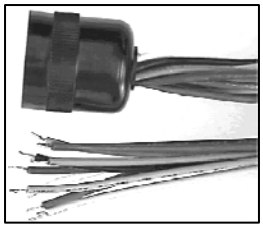
## PRODUCT DESCRIPTION

The Matrix wire harness (PN: 10MATRIXHARN) is a 6' harness with a female plug-in socket at the end that plugs directly into the 11 pin octal socket on the bottom of the Matrix loop detector.

## COMPONENT ID

| PIN # | WIRE COLOR | MATRIX CONNECTION | MATRIX2 SINGLE |
|---|---|---|---|
| 1 | Black | Power (+) | Power (+) |
| 2 | White | Power (-) | Power (-) |
| 3 | Orange | Relay B - Normally Open | Relay B - Normally Open |
| 4 | Green | Relay B - Common | Not Used |
| 5 | Yellow | Relay A - Normally Open | Relay A - Common |
| 6 | Blue | Relay A - Common | Relay A – Normally Open |
| 7 | Gray | Loop A | Loop A |
| 8 | Brown | Loop – Common & Ground | Loop A & Ground |
| 9 | Red | Loop B (dual only) | Relay B - Common |
| 10 | Black/White Stripe | Relay A – Normally Closed | Relay A – Normally Closed |
| 11 | Red/White Stripe | Relay B – Normally Closed | Relay B – Normally Closed |



## SPECIFICATION

| DESCRIPTION | SPECIFICATION |
|---|---|
| Socket | 11 Pin Octal configuration |
| Wire | 20 Ga. Stranded |
| Wire Length | 6' (1.82m) |

## SAFETY PRECAUTIONS

- Shut off all power going to the door or gate before attempting any wiring procedures.
- Maintain a clean & safe environment when working in public areas.
- Constantly be aware of pedestrian and vehicular traffic around the door or gate area.
- Always stop traffic through the doorway or gate entrance when performing tests that may result in unexpected reactions by the door.
- Always check placement of all wiring before powering up to insure that moving parts will not catch any wires and cause damage to equipment.
- Ensure compliance with all applicable safety standards and codes upon completion of installation.

## COMPANY CONTACT

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 or gate 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**