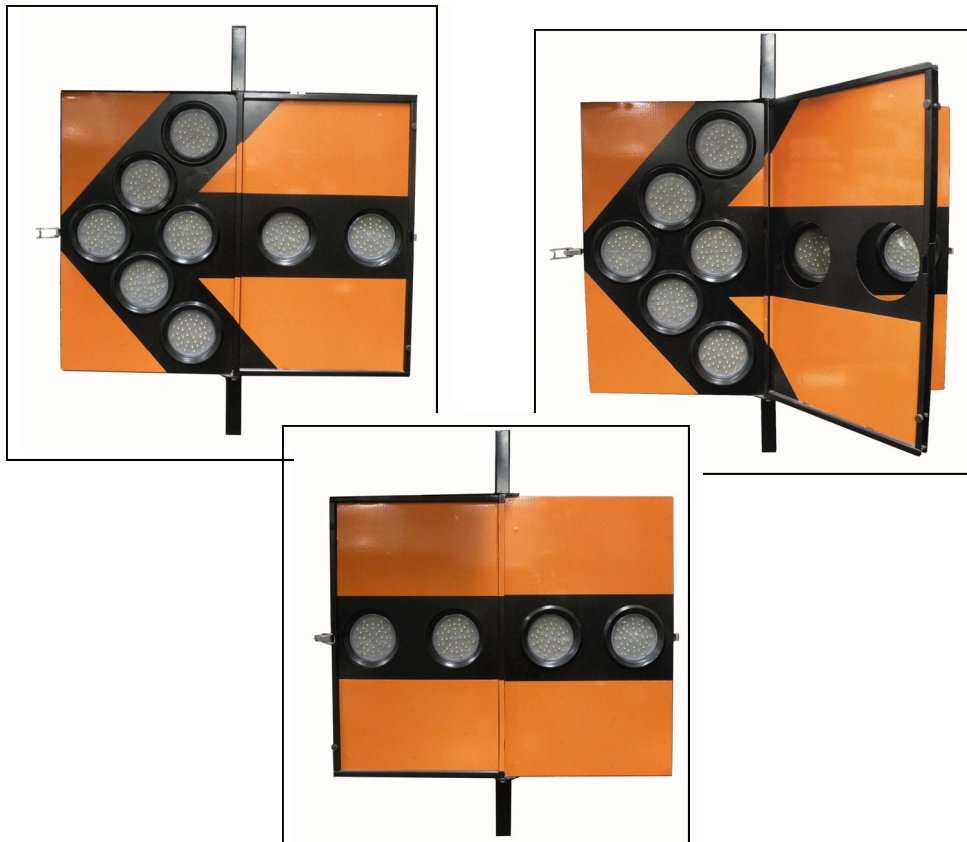




## The Arrow Board

### INSTALLATION, OPERATION AND MAINTENANCE MANUALS



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**IMPORTANT:** Read ALL instructions and Caution before installing and using this unit.

## UNPACKING

Before beginning any installation, unpack the equipment received. After unpacking, examine **ALL** components received for any damage that may have occurred while in transit. If any damage has occurred, file a claim **IMMEDIATELY** with the courier stating the extent of damage. Check **ALL** envelopes, packing slips, shipping labels and tags before removing or destroying them.

**To ensure your satisfaction, open all cartons and report any shortages within 48 hrs of receipt.**

## GENERAL DESCRIPTION

The Arrow Board is a rugged, Traffic Control System suited for a multitude of applications. This model is moisture-proofed in the manufacturing process to withstand all weather use. The Arrow Board's light weight allows for ease of use and handling by the operator. The lamps are constructed with High intensity LED's which provide extra long-life compared to reflector lamps and are clearly visible day or night. Thus providing a clear warning signal at an appropriate distance from the traffic redirection point.

The Arrow Board displays Left Arrow, Right Arrow and Flashing Line;

In order to change the display from Right Arrow to Left Arrow—the Arrow Board needs to be removed from the center post, rotated 180 degrees and placed back in position.

To display the Flashing Line, simply flip the hinged panel (door) of the arrow board and secure it by locking the latch lock on the edge.

## INSTALLATION

The Arrow Board is mounted to a single LEG that allows it to stand alone (with the optional “leg Pocket”) or mount to a vehicle or trailer wall panel. The power connection is by a 35ft water resistant cable and 12VDC lighter plug.

**If Direct wiring of the power is necessary the BLACK wire is vehicle GND and the WHITE wire is +12VDC.**

## TROUBLE –SHOOTING

PROBLEM	POSSIBLE CAUSE	PROBABLE SOLUTION
The Arrow Board does not function when turned ON.	Lighter plug connection. Faulty ground connection. Faulty power connection. Faulty switch connection Faulty flashing module.	Check the connection to the plug. If problem persists, connector needs to be replaced. Verify ground connection. Verify +12VDC connections Check connections to the switch . If problem still persists, switch needs to be replaced. Check the connection, if problem persists, module needs to be replaced
One or more LEDs in the Arrow Board do not light.	LEDs have failed.	Check connection—if the connection is right, replace LED modules.
Light output appears dim.	Low voltage.	Check connections or battery.

## MAINTENANCE

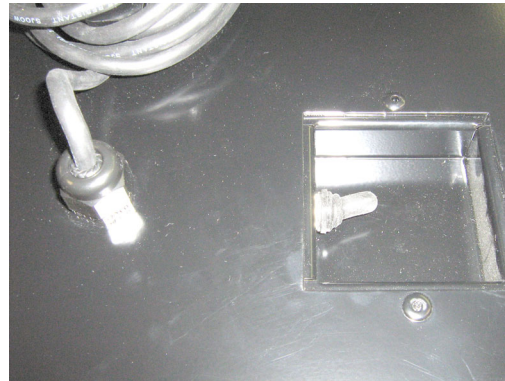
The Arrow Board has been designed to provide trouble-free service and minimum routine maintenance. Occasional cleaning of the Arrow Board LED lens is all that is required to produce maximum light output. Cleaning should be done with soft cloth to avoid scratching of the lens. If problems are encountered, please see the Trouble-shooting Guide on the previous page. If the problems persist, contact D&R Electronics for further advice or return instructions.

## REPLACEMENT PARTS LIST

### **CAUTION**

ANY attempt to repair a unit under warranty by anyone NOT authorized by D&R Electronics, will void the warranty.

### POWER SWITCH



<u>PART NUMBER</u>	<u>QTY</u>	<u>DESCRIPTION</u>
PAR36 LED	8	LED MODULES
178-0019	1	ON/OFF SWITCH
SJOW18-02-LL-35	1	CABLE HARNES 35FT
FW 160	1	FLASHER MODULE
	1	LIGHTER PLUG
300-0010	1	LIQUID TIGHT
300-0011	1	NUT FOR LIQUID TIGHT
400DRW-0001	2	LATCH LOCK
400SPA-0002	4	RUBBER STOP
178-0025	1	BOOT, TOGGLE SWITCH
196-0001	18	FEMALE PINS
196-0005	4	MALE PINS
200-0108	2	2 PIN FEMALE CONNECTOR
200-0107	9	2 PIN MALE CONNECTOR

## WARRANTY

D & R Electronics warrants its new products to be free from defects in material and workmanship, under normal use and service for a period of one year on parts replacement and one year on labor.

This warranty applies only to original purchasers acquiring the product directly from D&R Electronics, or its authorized dealers. Warranty will not be recognized without proof of purchase or bill of sale.

This warranty is not transferable.

The warranty begins on the date of delivery to the first user/purchaser.

This warranty shall not apply to products which must be repaired due to normal wear and tear, negligence, improper installation, abuse, misuse, or which have been altered or modified at a facility other than D & R Electronics, or its authorized depot centers.

Units proved to be defective within the warranty period, based on an examination by D&R Electronics, will be replaced or repaired at D & R Electronics' option. This warranty does not cover travel expenses or labor charges for removal or installation.

Lamps, flash tubes, batteries or other items considered consumables are not covered under warranty.

This warranty is in lieu of all other express warranties. D&R Electronics makes no warranties, expressed or implied, other than the express warranties contained herein.

## PRODUCT RETURN POLICY

In order to provide you with faster service, product returns for repair or replacement, must have a **Return Goods Authorization Number (RGA number)**. Please contact our company to obtain a RGA number before you return the product to D & R ELECTRONICS. Write the RGA number clearly on the package. Be sure you use sufficient packing materials to avoid damage to the product being returned while in transit.

D & R ELECTRONICS assumes no responsibility or liability for expenses incurred for the removal and/or the installation of products requiring service and/or repair.

**Repairing or replacing product is at the discretion of D & R ELECTRONICS.**

D&R ELECTRONICS Co. LTD.

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