



# HOUSING DEVICES, INC.

## HDI-ARA-O Series



HDI-ARA-O3 & O3B\*



HDI-ARA-O1 & O1B\*

### PRODUCT OVERVIEW

The HDI-ARA-O1 & O3 series has been developed with style, ease of installation and dependability in mind. Utilizing high-output indirect LED technology, the HDI-ARA-O1 & O3 provides a recessed or surface mounted edge-lit EXIT sign with excellent light distribution. The HDI-ARA-O1 & O3 series can be wall / ceiling recessed or surface mounted. End mount configurations are also available. The HDI-ARA-O1 & O3 series can be configured for AC only and Self-Powered operation versions. The HDI-ARA-O1 & O3 series features universal field adjustable chevrons.

### INTERNAL SPECIFICATIONS

**AC ONLY:** comes standard configured with high-output LED technology, 120/277VAC input. HDI-ARA-O1 & O3

**SELF-POWERED:** comes standard configured with high-output LED technology, 120/277VAC input. Nickel-cadmium batteries provide a minimum 90 minutes of emergency duration. Optional 120 minute duration battery is available. Solid state charger & transfer. HDI-ARA-O1B & O3B

### EXTERNAL SPECIFICATIONS

gauge steel. The acrylic face plate is available in both single face or double face versions, with a clear, white, mirrored or self-luminous background (please specify). Field adjustable chevrons are standard. Recessed versions are supplied standard with a white, baked powder coat steel trim plate. Available in custom epoxy-based powder coat finishes (please specify). External LED monitor light and test switch are standard on self-powered versions.

### MECHANICAL SPECIFICATIONS

The HDI-ARA-O1 & O3 series housing is constructed of sturdy 20 gauge steel. Universal mounting pattern and key hole slots are stamped into the housing providing various mounting options Ceiling recessed versions are supplied standard with removable steel T-Bar ceiling tile mounting brackets.

All trim plates are supplied standard with an attractive and durable white, baked powder coat finish. Other colors are available, including custom color matching, please specify. Face plates for the HDI-ARA-O1 & O3 series are constructed of clear, solid acrylic. Field removable directional chevron arrows are standard. Recessed version face plates are held securely in place with two (2) torsion spring clips that allows the face plate to accommodate uneven or angled ceilings and walls. This design leaves no visible screws, nuts or fasteners in the trim plate that would detract from the clean, modern design

### INSTALLATION

The HDI-ARA-O1 & O3 series is suitable for recessed/surface ceiling or wall mounting. Suitable for indoor installations.

### EDGE-LIT DESIGN

The HDI-ARA-O1 & O3 series of elegantly designed edge-lit exit signs feature a clean and contemporary look. The design brings style and flexibility to your next prestigious exit sign application. The indirect LED illumination evenly lights the acrylic face with crisp, even light. The ultra thin face plate virtually disappears once installed, yet the EXIT lettering boldly distinguishes the path of egress. The wide variety of finishes and mounting configurations available will ensure that the HDI-ARA-O1 & O3 series can be easily matched to your decor.

### ELECTRICAL SPECIFICATIONS

The HDI-ARA-O1 & O3 series is configured with high-output LED lamps. Standard with 120/277VAC input. All LED versions consume only 1.1W nominal power. Optional emergency illumination is provided by the LED light source at the following wattages: 6VDC - 0.5 Watts • 12VDC - 1.5 Watts • 24VDC - 3.5 Watts

### \*SELF-POWERED VERSIONS

The HDI-ARA-O1B & O3B series is designed to operate on battery power in the event of a regular / mains power failure. Both the battery and charger are completely contained within the standard enclosure. There are no external components and no alterations made to the external dimensions of the standard sign. The HDI-ARA-O1 & O3 self-powered series utilize a solid state transformer technology that eliminates the possibility of relay failure due to particle build up on the relay. Status is easily determined via an LED that indicates AC-ON. A push button test switch allows maintenance personnel to quickly confirm the operational status of the exit on AC fail.

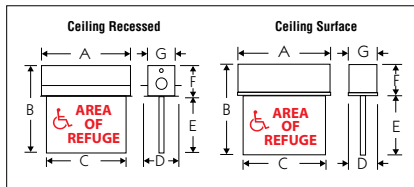
### BATTERY TECHNOLOGY

The HDI-ARA-O1 & O3 is designed with a maintenance free, Nickel-Cadmium battery providing a minimum emergency duration of 90 minutes. An operational 120 minute Ni-Cad battery is available. Recharge time of the battery is twenty-four (24) hours. The maximum battery working temperature is 50° C.

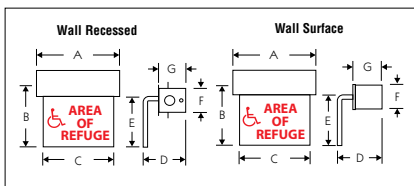
### WARRANTY

The HDI-ARA-O1 & O3 Series comes with a 1-year factory warranty. Deliberate damage, misuse, improper installation effectively cancel the warranty.

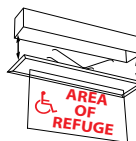
DIMENSIONS (in.)



Series	A"	B"	C"	D"	E"	F"	G"
Ceiling Recessed	15"	12"	12"	5"	7"	4"	4"
Ceiling Surface	15"	12"	12"	4.25"	7"	4"	4"



Series	A"	B"	C"	D"	E"	F"	G"
Wall Recessed	15"	10.5"	12"	4.5"	8"	5"	4"
Wall Surface	15"	10.5"	12"	4.5"	8"	4.25"	4"



Trim and faceplate mount into backbox for quick and easy installation.

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