



HOUSING DEVICES, INC.

HDI-ARA-F Series



HDI-ARA-F1 & F1B*



HDI-ARA-F4 & F4B*

PRODUCT OVERVIEW

The HDI-ARA-F1 & F4 series heavy duty Area of Refuge/Rescue sign is designed to stand up to high abuse areas such as correctional facilities, schools, apartment complexes, and public areas that may be subject to vandalism. The heavy gauge cast aluminum housing and high abuse polycarbonate faceplate offers extreme protection and superior performance with a contemporary look. Tamper resistant screws insure the integrity of the unit. Perforated chevrons allow for on-site selection. The HDI-ARA-F1 & F4 come standard with a high reflective white powder coat inside the housing to maximize the LED distribution. The HDI-ARA-F1 & F4 are also available with high output LED's in AC only and self-powered operations. All sign come with an official wheelchair symbol as a part of the design.

AC ONLY: standard 120/277/347 VAC input. HDI-ARA-F1 & F4

SELF-POWERED: standard self powered versions use sealed Nickel-Cadmium batteries to provide a minimum of 90 minutes of emergency duration. Optional 120 minutes duration battery is available. Solid state charger, auto-test, and transfer are standard on self powered units. HDI-ARA-F1B & F4B

EXTERNAL SPECIFICATIONS

The HDI-ARA-F1 & F4 is wet location /IP 66 rated. The HDI-ARA-F1 & F4 utilizes a long-life neoprene gasket. An internal heater option with thermostat is available for low temperature installations. (See selection guide for ordering information and available options).

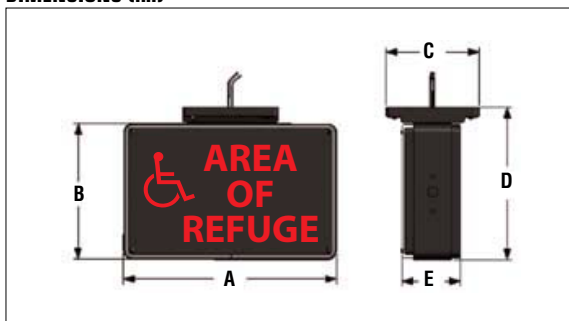
INTERNAL SPECIFICATIONS

The HDI-ARA-F1 & F4 series is constructed from .420" thick, heavy duty cast aluminum. The face plates are protected by high abuse clear polycarbonate, which is recessed into the housing. Tamper resistant screws are standard. The HDI-ARA-F1 & F4 series comes standard black, although color options are available upon request. Single, double or universal face plate configuration must be specified. The self powered version comes standard with an external LED status indicator and test switch.

INSTALLATION

The HDI-ARA-F1 & F4 series exit is supplied with a canopy and is suitable for surface ceiling, wall and end mount applications. Suitable for indoor, outdoor, damp or wet applications.

DIMENSIONS (in.)



Series	A"	B"	C"	D"	E"
FTZ	14"	9"	6.2"	10"	4"

VANDAL RESISTANT DESIGN

The ultra heavy duty design and appearance of the HDI-ARA-F1 & F4 series exit warns potential vandals that this is no regular sign. The stencil is protected by a 1/8" thick, impact resistant polycarbonate shield that is recessed into the housing and fastened with 4 tamper resistant screws. The HDI-ARA-F1 & F4 offers a contemporary look and durability like no other.

MECHANICAL SPECIFICATIONS

The HDI-ARA-F1 & F4 series is constructed of extra heavy duty cast aluminum with a 1/8" thick polycarbonate protective shield. Tamper resistant screws are standard. Field adjustable chevrons are standard. The HDI-ARA-F1 & F4 is standard in an attractive matte black finish. Other colors are available, including custom color matching to meet the customer's needs. The polycarbonate face shield is recessed into the housing making the Fortezza series one of the most rigid, yet attractive high abuse signs on the market.

AUTOTEST DIAGNOSTIC

The self-powered HDI-ARA-F1 & F4 comes standard with Autotest diagnostic system. Featuring continuous monitoring of the units main components (battery, charger, transformer, lamps & LED's) and providing instant visual verification of the status.

ELECTRICAL SPECIFICATIONS

The HDI-ARA-F1 & F4 series is configured with high output LED lamps. LED is standard with 120/277/347VDC input. All LED version consume < 5 watts nominal power

*SELF-POWERED VERSIONS

The HDI-ARA-F1B & F4B self powered series is designed to operate on battery power in the event of a regular/mains power failure. Both battery and charger are completely contained within the standard enclosure. The HDI-ARA-F1B & F4B 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.

BATTERY TECHNOLOGY

The HDI-ARA-F1 & F4 series is designed with a maintenance free, sealed Nickel-Cadmium battery providing a minimum emergency duration of 90 minutes. An optional 120 minutes Nickel-Cadmium battery is available. Recharge time of the battery is twentyfour (24) hours. The maximum battery operating temperature is +45°F and the minimum is +0°F without internal heater/thermostat option. The minimum operating temperature with internal heater/thermostat is -20°F/°C

WARRANTY

The HDI-ARA-F1 & F4 Series comes with a 1-year factory warranty. Deliberate damage, misuse, improper installation effectively cancel the warranty.

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