

TECHNICAL SPECIFICATIONS FOR AUTOMATIC RESCUE DEVICE-ARD

MODEL	ARD - 2 PH	ARD - 1 PH	ARD - 3 PH
RATING	Available for Motors 5 to 20 HP	Available for Motors 5 to 10 HP	Available for Motors 5 to 50 HP
AC INPUT	415V \pm 8 % Three Phase	220V \pm 8 % One Phase	415V \pm 1 % Three Phase
FREQUENCY	50 Hz \pm 1 Hz	50 Hz \pm 1 Hz	50 Hz \pm 1 Hz
DC BUS	48 V to 72 V	24 V to 72 V	72 V to 240 V
CHARGING TIME	10-12 Hrs for Full Capacity	10-12 Hrs for Full Capacity	10-12 Hrs for Full Capacity
CHARGER TYPE	Conventional	DSP	IGBT
TECHNOLOGY	MOSFET PWM	Micro Controller PWM	IGBT PWM
OUTPUT VOLTAGE	460V AC -2PH	230V AC -1PH	415V AC -3PH
WAVE FORM	Square/Sine Wave	Sine Wave	Sine Wave
HARMONIC DISTORTION	Less Than 3% on Linear Load	Less Than 3% on Linear Load	Less Than 3% on Linear Load
EFFICIENCY	>90%	>90%	>90%
POWER FACTOR	0.8	0.8	0.8
CREST FACTOR	3:1	3:1	3:1
PHASE DISPLACEMENT			120° \pm 1°
AUDIBLE NOISE	Less Than 50 dB at 1 Meter	Less Than 50 dB at 1 Meter	Less Than 50 dB at 1 Meter
GENERAL:			
DIMENSIONS (L x W x H) MM WITHOUT BATTERIES	(410 x 230 x 440)	(230 x 410 x 370)	(350 x 650 x 750)
OPERATING TEMPERATURE	0° to 50° C	0° to 50° C	0° to 50° C
HUMIDITY	Max 95%, Non- Condensing	Max 95%, Non- Condensing	Max 95%, Non- Condensing
PROTECTIONS:			
(I) Auto shut off facility available for all models and capacities.			
(II) Output Overload & Short Circuit, Output Under & Over Voltage, Battery Low			
INDICATIONS:			
(I) MAINS ON	Available	Available	Available
(II) ARD ON	Available	Available	Available
(III) BATTERY LOW	Available	Available	Available
(IV) FLOOR	Available	Available	Available
(V) OVER LOAD	Available	Available	Available
CHANGE OVER:			
CHANGE OVER	Automatic	Automatic	Automatic
CHANGE OVER DELAY	12 Seconds	4 Mili Seconds	12 Seconds

* Specifications are subject to change without prior notice due to constant improvement in design and technology



Flybird Technologies Pvt. Ltd.

Caring with Confidence

A short journey in the lift could abruptly turn to something very tense and scary should there be a power failure with no ARD installed. Discover the relieving experience of getting out of trapped doors with Lifton® our reliable & economical lift ARD that brings you safely down to the nearest operating floor & opens the door. Trusted and proven technology universally accepted by lift manufacturers.

Application :

- MRL | Gearless | Geared and Hydraulic Motors.

Advantages :

- Almost independent of lift controllers
Lesser wires are going & coming from controller to ARD.
- No need of emergency lights in the elevator car.
- Door type cabinet for easy access inside the ARD in case of trouble shooting.
- Can be connected to single phase site.
- IGBT based charging for longer battery life.
- Digital Signal processing for constant pure sine wave output.
- IGBT technology for higher reliability of ARD.

Product Offerings:

- Regular ARD 5 HP to 50 HP (2 Phase Output/Single Phase Output).
- ARD for 3 Phase Operations-
- 3 Phase ARD with Backup and Rescue.
- Jarkless ARD for Hotels/Hospitals.
- Servo Stabilizer with isolation transformer.



Flybird Technologies Pvt. Ltd.

1154, 1st Floor, Shripada Layout, BDA Double Road, BSK 6th Stage
Chennasandra, Bangalore - 560 098. Ph.: 080-28612297, 28611727
web : www.flybirdtechnologies.in, email : flybirdtechnologies@gmail.com

