Reliable Solution For Elevator

ICON

ENTERPRISES

Elevator Logic Board
LED Lights & Solar System

MUMBAI
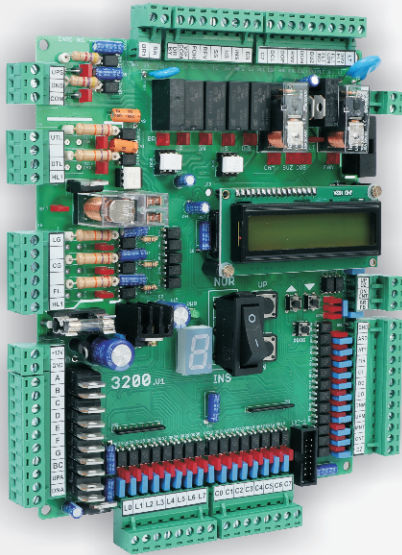**INDIA**

V3F LOGIC BOARD — ICS-3000

- Supply voltage requirement 12VDC & 110VAC for safety.
- On board number of stops 8.
- Maximum 40 stops with extension card,
  (G+39 down collective / G+23 collective selective)
- Door operation MANUAL door & AUTO door.
- Speed supports up to 1.2 m/s.
- Reed signal :- CABIN TOP REED.
- User configurable with LCD display & keyboard.
- Status of all inputs & outputs though LED indication.
- LCD display showing status & errors.
- Relay board embedded with logic board so no need of external relay card.
- 7-Segment (with b/P/G)& binary display output.
- Duplex system available.
- Auto attendant, Auto fan, Fire ,ARD & CC mode is available.
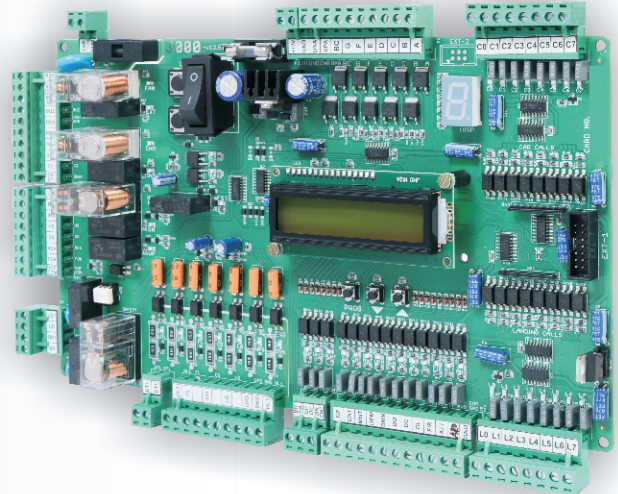
# ICS-3200 — V3F LOGIC BOARD (DESIGN FOR MRL CONTROL)

- Supply voltage requirement 12VDC, 24VDC & 110VAC for safety.
- On board number of stops 8.
- Maximum 40 stops with extension card,
  (G+39 down collective / G+23 collective selective)
- Door operation MANUAL door & AUTO door.
- Speed supports up to 1 m/s.
- Reed signal :- CABIN TOP REED.
- User configurable with LCD display & keyboard.
- Status of all inputs & outputs though LED indication.
- LCD display showing status & errors.
- Relay board embedded with logic board so no need of external relay card.
- 7-Segment (with b/P/G)& binary display output.
- Compact design suitable for MRL Control.
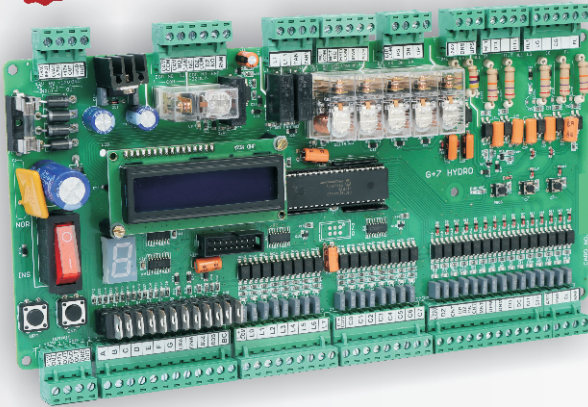- Auto attendant, Auto fan, Fire & call cancel is available.

V3F LOGIC BOARD — G+7 ECO

NEW

- Supply voltage requirement 12VAC,24VDC & 110VAC for safety.
- On board number of stops 8.
- (G+7 down collective / G+5 collective selective)
- Door operation MANUAL door & AUTO door.
- Speed supports up to 1 m/s.
- Reed signal :- CABIN TOP REED.
- User configurable with LCD display & keyboard.
- Status of all inputs & outputs though LED indication.
- LCD display showing status & errors.
- Relay board embedded with logic board so no need of external relay card.
- We can directly connect floor Announcemnet card with this logic board using FRC cable only.
- 7-Segment (with b/P/G)& binary display output.
- Auto attendant, Auto fan, STOP, Call Cancel, ARD & Fire mode is available.

G+7 HYDRO

HYDRAULIC LOGIC BOARD
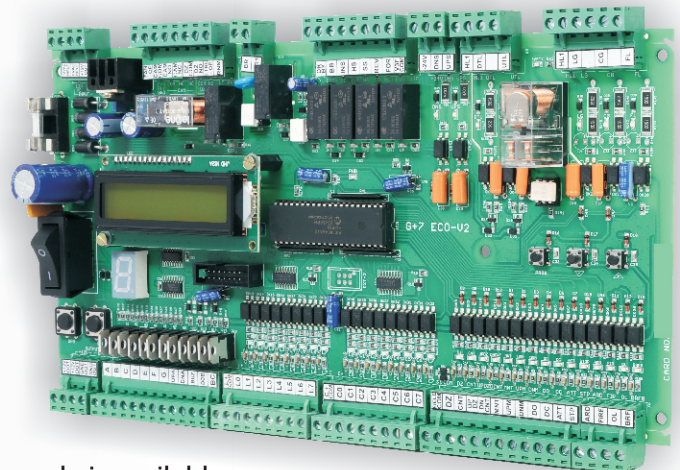
NEW

- Logic board for HYDRAULIC ELEVATOR.
- Supply voltage requirement 12VAC, 24VDC & 110VAC for safety.
- On board number of stops 8.
- (G+7 down collective / G+5 collective selective)
- Door operation MANUAL door & AUTO door.
- Reed signal :- CABIN TOP REED.
- User configurable with LCD display & keyboard.
- Status of all inputs & outputs though LED indication on board.
- LCD display showing status & errors.
- Star/Delta timing is user configurable.
- We can directly connect floor Announcement card with this logic board using FRC cable only.
- Functions:
  - Auto attendant
  - Auto fan & Light
  - Fire mode.

ARD LOGIC BOARD / ARD 3-PHASE

- Direct MOTOR driving ARD logic board so we can use with DOL (single speed) & V3F control elevator.
- Nominal battery voltage require 48VDC (12VDC, 7Ah four batteries)
- Maximum capacity up to 10KW (15HP).
- Door operation support MANUAL & AUTO door.
- Output voltage 48V 3PHASE (4-6Hz).
- Maximum up to 8 rescues per day.
- Direction selection according to light load.
- Detection of inverter over current during ARD operation.
- LCD display showing status & errors.
- Battery deep discharge protection with LED indication.
- Efficiency is greater than 85%
- Inbuilt 48VDC battery charger up to 7Ah battery capacity.
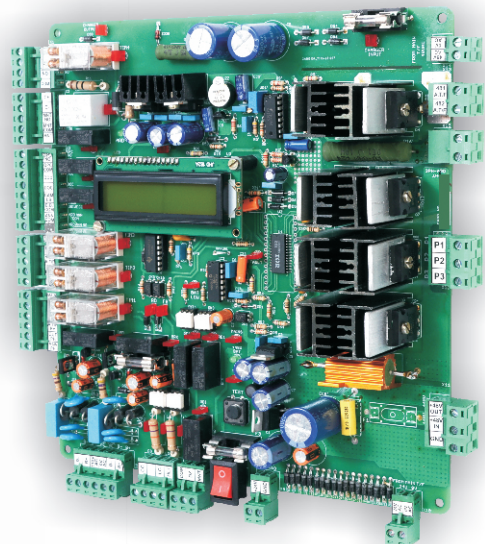
ARD BIG-48V / ARD LOGIC BOARD

- Operating Voltage 48VDC (12VDC, 4 Batteries)
- Efficiency is greater than 85%.
- High reliability with micro controller based pure sine wave technology.
- We can use the same card for Single phase & Two phase outputs by just changing the transformer design.
- Continuous Battery charging monitoring with the trickle charging mode.
- Output short circuit protection is available.
- Low battery & Overload protection with the LED indication.
- Maximum 3500VA output can be generated.
- With the 12VAC feedback from the transformer we can adjust the output voltage using a feedback potentiometer.
- Compact size Logic board for 1500VA rating is also available.

# FULL SERIAL V3F LOGIC BOARD

SER-3500

- Supply voltage requirement 24VDC & 110VAC for safety.
- This Logic board can be used only in the Full Serial Control panel, that is Both Car Top & Landing LOP having serial communication using Serial Car Top board & Serial Landing cards
- Maximum 24 stops without any extension card (G+23 down collective / G+23 collective selective)
- Door operation MANUAL door & AUTO door.
- Speed supports up to 1 m/s.
- Reed signal :- CABIN TOP REED.
- User configurable with LCD display & keyboard.
- Only 4 wires are required (2 wire for power supply & 2 wire for communication) from the main card to serial landing display & main card to cartop serial board, because of which Reduces field wiring , elevator installation time, labor & cable cost.
- Cartop board input indications are also shown on the main logic board because of which it is easy to understand and fault finding.
- Auto attendant, Auto fan, Fire ,ARD & CC mode is available.
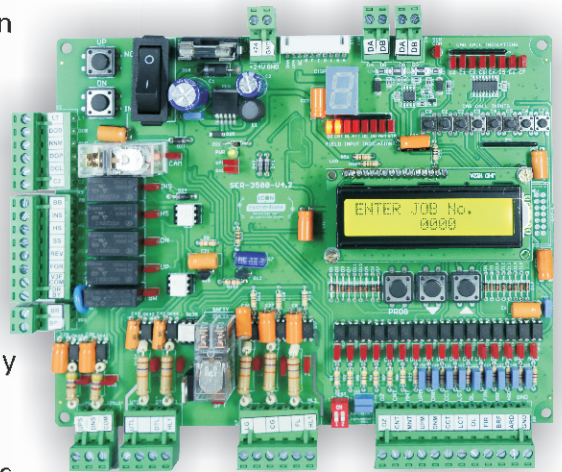
SER-3200

SEMI SERIAL V3F LOGIC BOARD

NEW
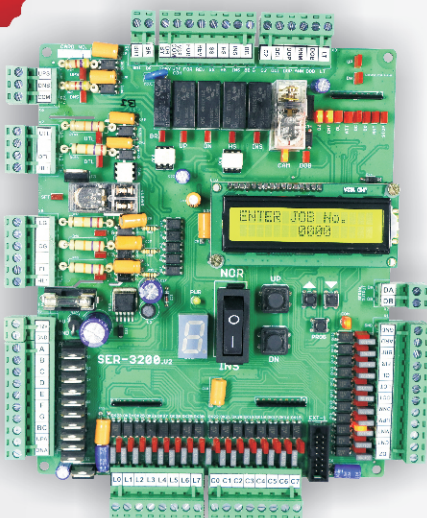
- Supply voltage requirement 24VDC & 110VAC for safety.
- Logic board use for Semi Serial Control panel, means only car top board serial communication using Modbus with main Logic Board & Landing LOPs are parallel.
- On board 16 landings call are present (G+15 down collective / G+7 collective selective)
- Maximum 24 Landing calls with extension card, (G+23 down collective / G+15 collective selective)
- Door operation MANUAL door & AUTO door.
- Speed supports up to 1 m/s.
- Reed signal :- CABIN TOP REED.
- LCD display showing status & errors.
- Compact design suitable for MRL Control.
- Cartop board input indications are also shown on the main logic board because of which it is easy to understand and fault finding.

SERIAL CARTOP BOARD

G+15 SER-CT

- Supply Voltage Requirement 24VDC.
- On board 16 Stop (G+15) Car call is present with call registration indication.
- Maximum 24 (G+23) Car calls using extension cards.
- SERIAL CAR TOP Board can communicate serially with SER-3500 & SER-3200 Logic Boards using 2 wires Modbus protocol.
- No need of CAR TOP board parameter setting, We can set all parameters using the Main Logic Board only.
- Having Auto Fan, Auto Light , DOB, BUZZER & CAM output with LED indication.
- Maintenance, UP Maintenance & Down Maintenance signals are also present in the SERIAL CAR TOP Board.
- Having Auto Attendant , STOP & DO/DC inputs.
- It has Separate Digital indicator output with Up & Down Arrows, so you can use any other parallel input COP indicator in the Cabin.
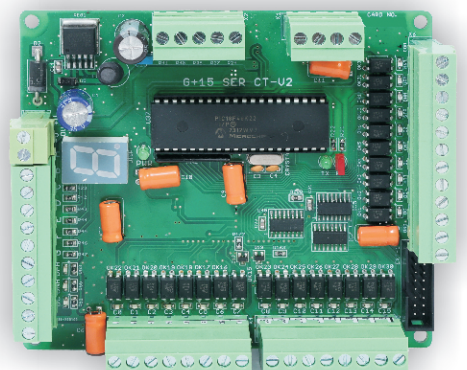
SERIAL DISPLAY INDICATORS
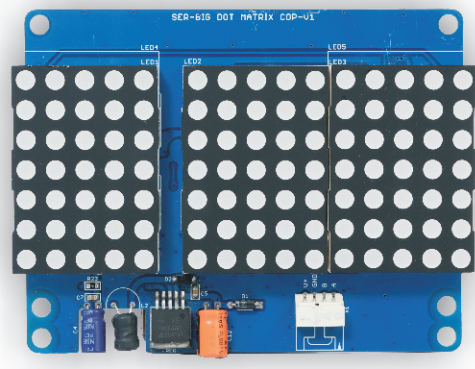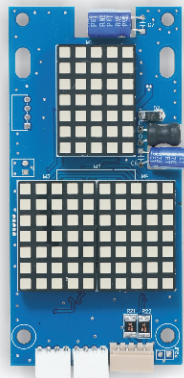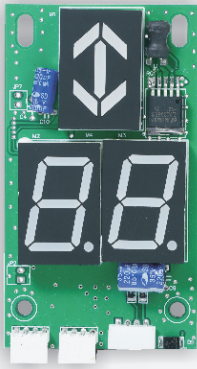
- ◉ Supply voltage requirement 12VDC/24VDC.
- ◉ All Serial Landing LOP Cards are communicate serially with SER-3500 Logic board using 2 wires Modbus Protocol. We have Dot matrix & 7 segment Serial Landing LOP Cards.(Red,Blue,Green colors available)
- ◉ Every Serial Landing LOP card having UP & DOWN Hall Call with Registration LED connector,So we can use them in FULL COLLECTIVE & DOWN COLLECTIVE mode.
- ◉ Using single switch we can set the floor of SERIAL LANDING LOP card, just press the switch for 2 sec & then by each time we press the switch floor number shown on display is increases, after then when we reach our selected floor then don't press the switch. After 5 sec selected floor number blink 3 times & set as our Selected LOP floor.
- ◉ Our all Main Logic boards communicate with Serial LOP & COP cards by using EX-485 card and it work as a floor indicator display using two wires only.

ELEVATOR FLOOR ANNOUNCEMENTS
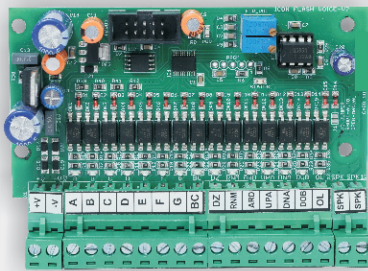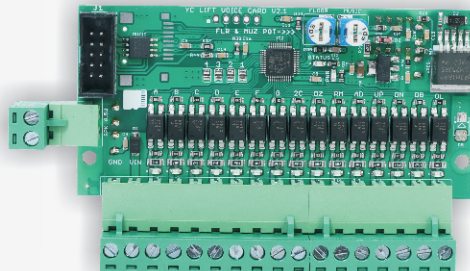
FLASH ANNOUNCEMENT　　　**FLASH ANNOUNCEMENT**　　　**Mp3-SD ANNOUNCEMENT**
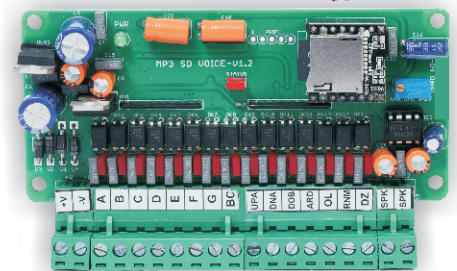
ACCESSORIRES
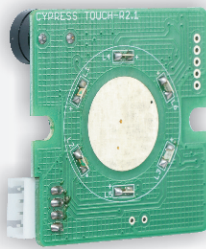
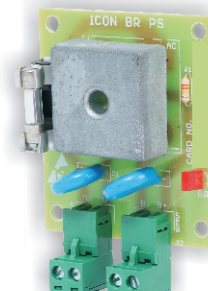**PFR (V3F/ SS)**　　**TOUCH BUTTON**　　**SINGLE RELAY-2C**　　**D-SUB CON CARD**　　**CONSTRUCTION LIFT RELAY CARD**
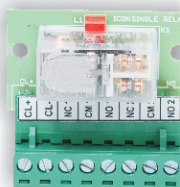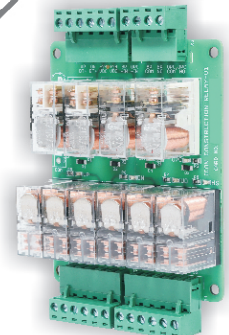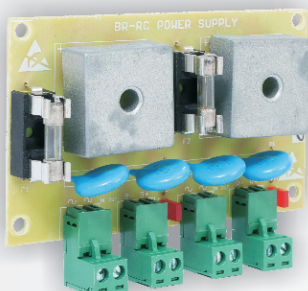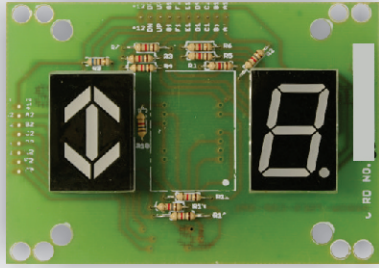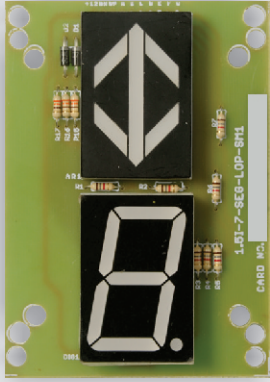

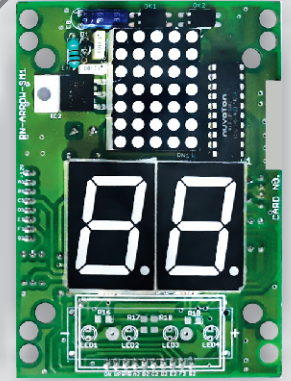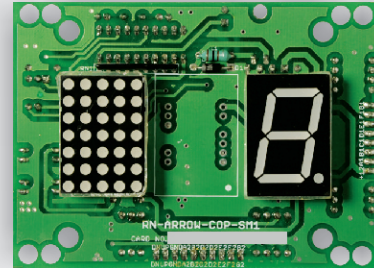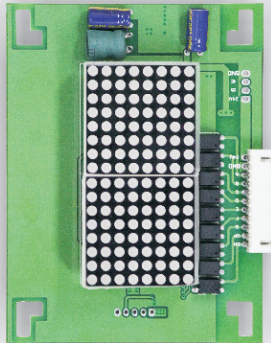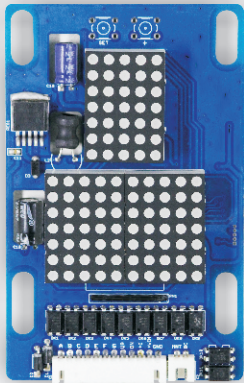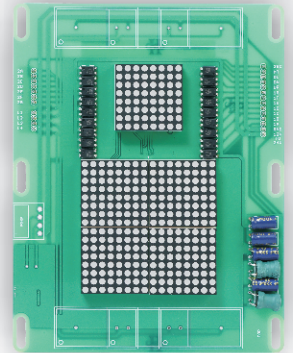**BRAKE & R-CAM RECTIFIER**　　**GEARLESS MOTOR BRAKE SUPPLY CARD**　　**BRAKE RECTIFIER**
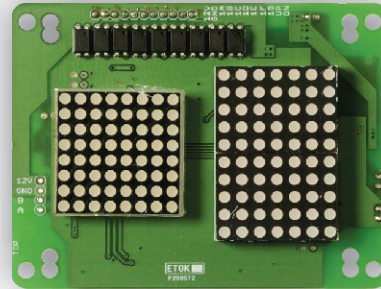
SEGMENT INDICATOR

SEGMENT - DOT MATRIX INDICATOR
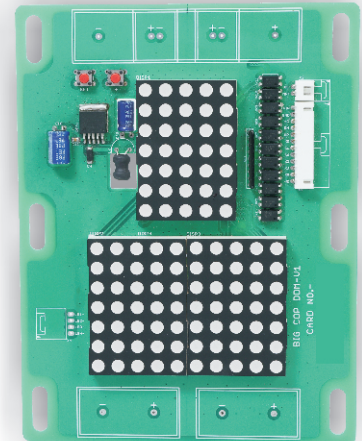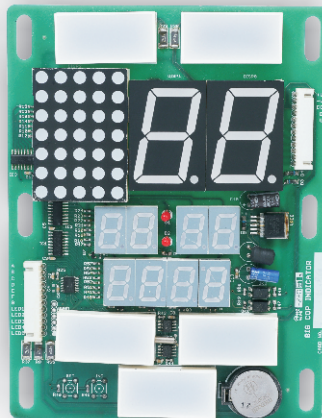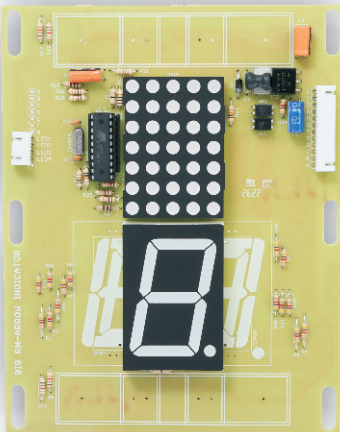
SMALL DIGIT-DOT MATRIX INDICATOR

BIG DIGIT-DOT MATRIX INDICATOR

COP BIG DIGIT INDICATOR

NEW

MONOCHROME LCD INDICATOR

NEW