![ICS logo]

an EnerSys Company

DISTRIBUTION BOARDS & CONTROL PANELS PRODUCT CATALOGUE

VERSION 1.0

ISSUE DATE: 22 MARCH 2016

SUMMARY:

THIS DOCUMENT LISTS THE DISTRIBUTION BOARDS AND CONTROL PANELS OFFERED BY ICS INDUSTRIES.

About Us

ICS Industries offers a range of unique products for the support, maintenance and upgrade of existing equipment infrastructure and ordinary stand-alone solutions. Access to all parts and equipment is available through our Shop Division.

CONTACT DETAILS

Address: ICS Industries Pty Ltd
                    309 Settlement Road
                    Thomastown VIC 3074

Phone: (03) 9474 2008
Fax: (03) 9465 5277

Email: shop@icsindustries.com.au

Shop Operations Manager: Glenn Hartney

Shop Sales & Admin Support: Sue Ings and Hai To

SHOP OPERATING HOURS (MON-FRI)

Office: 8:30am - 4:30pm AEDT
Warehouse: 8:30am - 3:30pm AEDT

Distribution Board - Generic GC Type

ICS PART NO:

DBK0041

Features

Inclusive to the cabinet:

- Electrical distribution
- Supply changeover control
- Surge protection (Critec TDX100M)
- Systems control
- Temperature sensing
- 4 x 240V GPO's
- 48V-DC emergency light
- Integrated smoke detector
- Runback timers for lights

Intelligent Programmable Logic Control (PLC)

PLC is pre-programmed to manage:

- 3 x Air conditioning units
- Internal room temperature management
- Smoke detection alarming
- Power fail alarming
- Surge diverter fail alarming
- Door security access alarming

Power management includes a mains isolator control switch to change between mains-supply, off and generator supply.

Surge diverter for the protection of all electrics.

Note:
1) 4 x 240V GPOs & light switch supplied loose for optional remote fit.
2) Board also available excluding switchers and timers as ICS Part No: DBM0041.

1120mm

360mm

Dist. Boards & Control Panels

DC Distribution Panels

Distribution Board - Generic G Type

ICS PART NO:

DBM0039

Features

Inclusive to the cabinet:

- Electrical distribution
- Supply changeover control
- Surge protection (Critec TDX100M)
- Systems control via PLC
- Temperature sensor can fit in 1 of 4 positions
- 2 x 240V double GPO's at bottom of board
- 48V-DC emergency light
- Integrated smoke detector
- Runback timer for lights available separate as an option

Intelligent Programmable Logic Control (PLC)

PLC is pre-programmed to manage:

- 3 x Air conditioning units
- Internal room temperature management
- Smoke detection alarming
- Power fail alarming
- Surge diverter fail alarming
- Door security access alarming

Power management includes a mains isolator control switch to change between mains-supply, off and generator supply.

Surge diverter for the protection of all electrics.

Note:
The runback timer, 4 x 240V RAC GPOs and light switches are available as optional extras, and can be installed by removing knock-out panels.

1120mm

360mm

Distribution Board - Lenmic O-Type PH 8

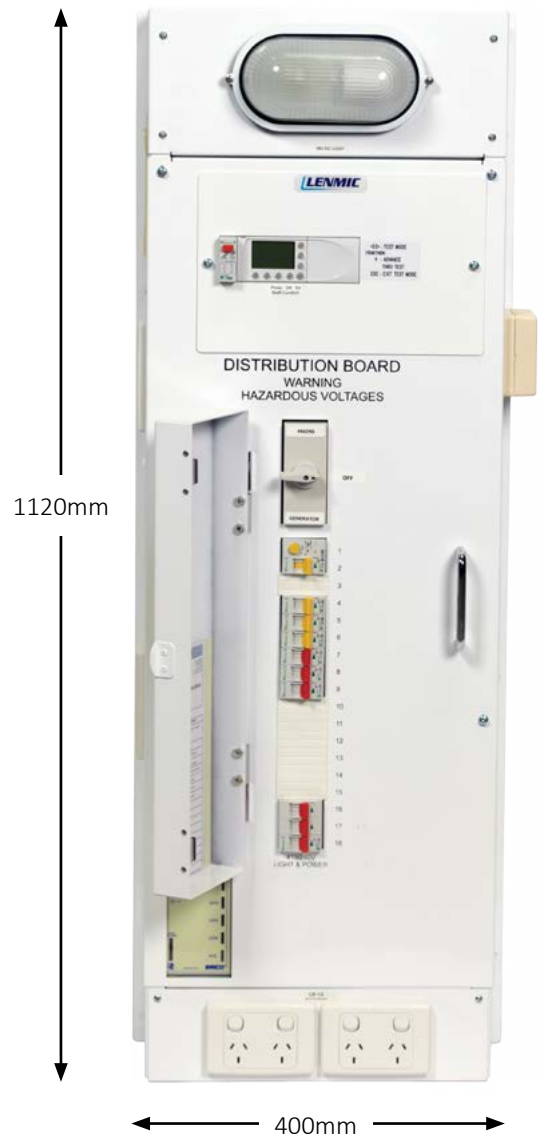| ICS PART NO: |
| --- |
| **DBM0018** |

Features

Inclusive to the cabinet:

- Electrical distribution
- Supply voltage changeover control
- Surge protection (Critec TDX100M)
- Integrated non-latching Smoke Detector
- Integrated 48V-DC emergency light
- Environmental Systems Control
- Temperature sensing
- 4 x 240V GPOs

Intelligent Programmable Logic Control (PLC)

PLC is pre-programmed to manage:

- Available with a choice of 2 programs, either;
  Economy cooling or AC only cooling
- Manages 3 x cooling units
- Internal room temperature management
- Smoke detection alarming
- Power fail alarming
- Surge diverter fail alarming
- Door security access alarming

1120mm

400mm

Distribution Boards

Distribution Board - Lenmic T1.5-Type

Features

Inclusive to the cabinet:

- Electrical distribution
- Supply voltage changeover control
- Surge protection (Critec TDX100M)
- Integrated 48V-DC emergency light
- Environmental Systems Control
- Temperature sensing
- 4 x 240V GPOs
- 3 x Room AC control power outlets (side mounted)

Intelligent Programmable Logic Control (PLC)

PLC is pre-programmed to manage:

- Available with a choice of 2 programs, either;
  Economy cooling or AC only cooling
- Manages 1, 2 or 3 x Cooling units
- Manages emergency 48V-DC Cooling
- Internal room temperature management
- Smoke detection alarming
- Power fail alarming
- Surge diverter fail alarming
- Door security access alarming
- AC fail alarming

1500mm

370mm

Control Panel Lenmic O-Type

Designed for retrofitting into existing infrastructure with a narrow space saving design measuring 640mm H x 300mm W.

Features

- Provided with the option of 2 different cooling programs:

  1) AC-only Cooling:
  Management of 1, 2 or 3 air-conditioning units.

  2) Economy Cooling:
  Controls the L350A Economy Cooling fan as the 1st stage of cooling, and then selectable on-site for the management of 1 or 2 air-conditioning units.

- Programmable Logic Control: (Mitsubishi AL2-14MR-D) is pre-programmed to manage the internal room temperature and a series of voltage free alarms including:

  - Smoke detection   - AC failure
  - Power failure   - Room high temperature
  - Door intrusion

CONTROL PANEL V-TYPE AIR-CON ONLY COOLING SOFTWARE [VER-5]

- The Control Panel V-Type (430 W x 300mm H) is designed for retrofitting existing infrastructure
- AC-only cooling:
  Selectable on site for the management of 1, 2 or 3 air-conditioning units

CONTROL PANEL V-TYPE ECON COOLING SOFTWARE VERSION [VODEC6.7]

- The Control Panel V-Type (430 W x 300mm H) is designed for retrofitting existing infrastructure
- Controls the L350A Economy Cooling fan as the 1st stage of cooling, and then selectable on site for the management of 1 or 2 air-conditioning units

Control Panels

LS1 PLC COOLING MANAGER, 48V-DC

- Designed for use with L600P Process Coolers
- (Mitsubishi AL2-14MR-D) is pre-programmed to manage the internal room temperature and a series of voltage free alarms
- Now with an integrated Smoke Detector
- Includes 2 x 2m patch leads

ICS PART NO:
DBM1000

LS4 PLC COOLING MANAGER, 48V-DC

- (Mitsubishi AL2-24MR-D) PLC is programmed to control 1 to 4 L600P air conditioners plus 1 Economy Cooling Fan with external temperature sensor
- 5 Outputs
- Internal temperature sensor and smoke detector are on integrated wall mount brackets

ICS PART NO:
DBM1002

COOLING CONTROL RETROFIT MANAGEMENT SYSTEM

- Standard unit with smoke detector, temperature sensor and Mitsubishi AL2-14MR-D Controller
- Integrated contactors and current transformers for managing various cooling equipment

ICS PART NO:
DBM0027

POWER HOUSING COOLING CONTROL FOR DC ONLY SITES

- Hybrid 48vDC only operation
- Smoke detector
- Designed to support DC cooling equipment
- Ideal for Solar Sites

ICS PART NO:
DBM0028

POWER HOUSING FOR KENTROX

- Modified unit for use with the Kentrox Control Technology Solution
- Smoke detector

ICS PART NO:
DBM0029

DC DISTRIBUTION PANEL-iDCDP1

- Includes A&B Surge Protection Critec DSD1
- DC Distribution Panel. 2 x required and mounted in Skinny MER for DC terminations from Hybrid fibre + DC cables

iDCDP1 OPERATION:

- Supports 2 x separate supply feeds each distributed to 6 x 16A Circuit Breakers

Total Inputs: 2   Total Outputs: 12
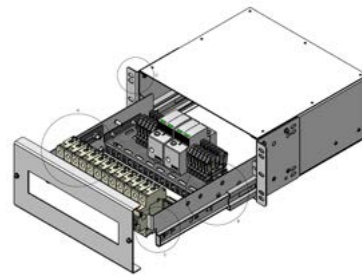
ICS PART NO:
DBM0037

DC DISTRIBUTION PANEL-iDCDP2

- DC Distribution Panel. 2 x required and mounted in Skinny MER for DC terminations from Hybrid fibre + DC cables

iDCDP2 OPERATION:

- Supports 2 x separate supply feeds each distributed to 6 x 16A Circuit Breakers

Total Inputs: 2   Total Outputs: 12

ICS PART NO:
DBM0038

DC DISTRIBUTION PANEL-iDCDP3

- DC Distribution Panel. 2 x required and mounted in Skinny MER for DC terminations from Hybrid fibre + DC cables

iDCDP3 OPERATION:

- Supports 3 x separate DC supply feeds each distributed to 5 x 16A Circuit Breakers

Total Inputs: 3   Total Outputs: 15

ICS PART NO:
DBM0048

* 16 x Breaker Capacity

IDCDP ADAPTER PLATES TO SUIT 19" RACK

- Pair of extension plates to adapt to either side of the iDCDP2 & iDCDP3 to allow the unit to fit a 19" rack where required (i.e. when fitting to a 19" rack on ODU)

ICS PART NO:
HAX0273

DC DISTRIBUTION PANEL-iDCDP5A

- Full width for 19" rack
- 22 x 16A Circuit Breakers
- 5 x Supply Feeds
- Feeds A, B, D, E all supply 4 x CB. C supplies 6 x CB
- Integrated slides for improved access
- Removable Front / Top Cover

ICS PART NO:
DBM0049

* 22 x Breaker Capacity
fits full 19" Rack

an EnerSys Company

HEAD OFFICE

309 Settlement Road, Thomastown VIC 3074

BRANCH OFFICES

46 Egerton Street, Silverwater NSW 2128
28 Duntroon Street, Brendale QLD 4500
3 Sandra Place, Welshpool WA 6106
57 Orsmond Street, Hindmarsh SA 5007

PH   1800 010 027

EMAIL   ics@icsindustries.com.au

WEB   www.icsindustries.com.au