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

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SHOP OPERATING HOURS (MON-FRI)

Office: 8:30am - 4:30pm AEDT
Warehouse: 8:30am - 3:30pm AEDT
Distribution Board - Generic GC Type

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.
Dist. Boards & Control Panels

DC Distribution Panels

Distribution Board - Generic G Type

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.
Distribution Board - Lenmic O-Type PH 8

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
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
Control Panels

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
Distribution Panels

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

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
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