Modbus Display and Control (MDC)

10-48VDC, -20 to 60°C

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General Information

Product ECCN14-CT0 is assembled in Australia or New Zealand.

Technical Specifications

Monitor mode

- Display Modbus data from fans such as speed, power, motor temperature, electronics temperature, setpoint %, hours run and warnings.

Monitor & Control mode

- The fan array speed is controlled by one, or a combination of:
  - ➢ 0-10V control signal input to the MDC
  - ➢ Modbus Master system connected to the RS485 Slave port e.g. BMS
  - ➢ MDC keypad

Constant Volume / Constant Pressure Control mode

- This operating mode requires one or multiple differential pressure sensors that are used by the MDC to maintain a constant volume/pressure according to a setpoint entered via the keypad or the RS485 Slave port. The MDC has an automatic sensor mapping procedure in case multiple pressure sensors are used.

Modbus Relay mode

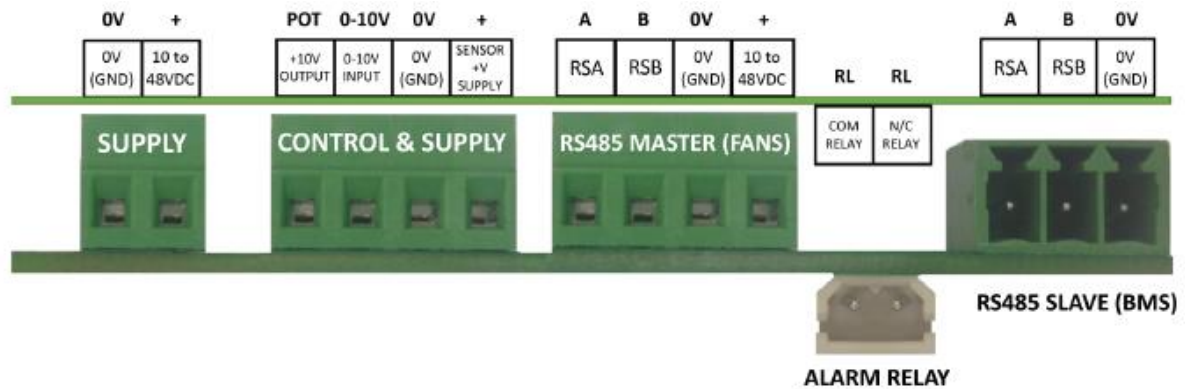- The MDC stops monitoring/controlling the fans and begins relaying Modbus messages between the two RS485 ports.

ECCN14-CT0
LGT0024011S

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Figure 1: MDC terminals information

Technical Specifications

For further technical specification please refer to operating manual of ECCN14-CT0.