

# DATASHEET



## **DLS-3P-2AC-V**

**3-Phase Air Conditioner Controller**

Product specification

**3 Phase A/C Controller with HP/LP****DLS-3P-2AC-V****General Description**

This product is designed to control two Air Conditioners(A/C) simultaneously. The industry standard AVR Micro-Controller is the heart of this system. Control over the A/Cs are performed according to some parameters like temperature, phase voltage, phase current, swapping time etc. User can set or view various parameters like current temperature, phase current, phase voltage, temperature set-point, high room temperature, swapping time, A/C trip current, A/C last trip reason etc. through a 16 x 2 character LCD panel and a status indication panel will help user quickly monitor the status of the A/Cs. An alarm system generates respective alarm for FMC if any error occurs in the operation. This system keeps the information of last A/C trip reason and the overload current at which the A/C was last tripped in a nonvolatile memory for up to 100 years or the next trip occurs. This device is fully compatible with **VOLTAS SENSICOOL** A/Cs used in the shelter of a mobile tower.

**FEATURES:**

High performance, three phase two A/C Controller with HP/LP and alarm system.

- Voltage Transient Protection
- Under and over voltage protection
- Over load and Short Circuit Protection
- Status Indicator
- Alarm output for FMC
- HP/LP fault protection
- Adjustable temperature set-point
- Adjustable high room temperature
- Adjustable trip current
- Adjustable swapping time
- Nonvolatile memory for last A/C trip reason
- Nonvolatile memory for last A/C trip overload current

DEVICE SPECIFICATIONS	
<b>Product:</b>	<b>3 Phase Air Conditioner(A/C) Controller with HP/LP</b>
<b>Model:</b>	<b>DLS-3P-2AC-V</b>
<b>Supply Voltage:</b>	<b>1 Phase 220V AC</b>
<b>Under voltage protection:</b>	<b>Below 170V AC</b>
<b>Over voltage protection:</b>	<b>Over 280V AC</b>
<b>Overload trip current:</b>	<b>Adjustable 0.5A – 20A for each phase (Step 0.5 A)</b>
<b>Operating Temperature:</b>	<b>-40 to 70 °C</b>
<b>Storage Temperature Range:</b>	<b>-55°C - +105°C</b>
<b>Temperature Set-Point:</b>	<b>Adjustable 10 °C – 40 °C (Step 1 °C)</b>
<b>High Room Temperature:</b>	<b>Adjustable 10 °C – 40 °C (Step 1 °C)</b>
<b>Swapping Time:</b>	<b>Adjustable 6 minute – 24 hour (Step 6 minute)</b>
<b>Nonvolatile Memory Data Retention:</b>	<b>20 years at 85°C/100 years at 25°C</b>

**Place of origin: India**