

HPS-01 & HPS-02

Hanwell Humidistat Power Supply

The Hanwell Humidistat power supplies are designed very much with safety in mind. Our power supplies use electro-mechanical relays instead of solid state relays, (which generate more heat). Our relays are 2.5 times overrated that switch at 10 amps with the relay rated at 25 amps. As our units are designed not to generate excess heat they do not require ventilation to keep the unit cool. This enables our units to be enclosed, preventing dust and dirt to accumulate around the electronics, again eliminating the potential for a fire hazard.



Heating



Humidity



Wireless



Dehumidifier



Control

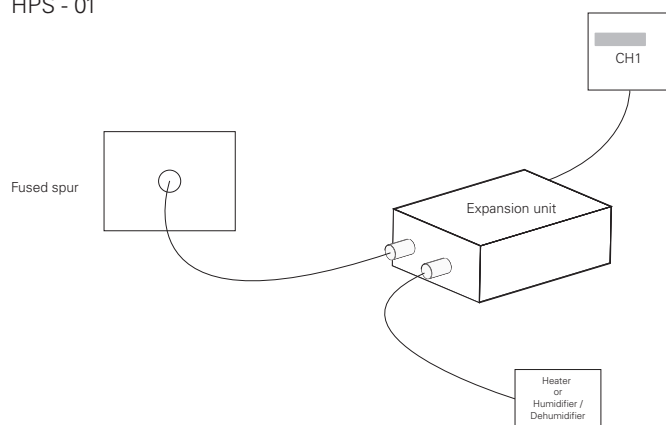
HPS- 01 & HPS-02	Power supply unit specification
Dimensions	235 x 72 x 107 mm
Weight	1083 grams
Case material	Pressed steel, black powder coated
Temperature operating range	0 to 35°C
Maximum switching capacity	2.0kW (10A)
Relay rating	25A
Protection	Thermal fuse* *note trip temperature for fuse is 55°C +/-5°C



Product code: HPS-01 and HPS-02

Schematic

HPS - 01



HPS-01 Master unit. Power supply to switch max 2kW

HPS-02 Expansion unit unit.
Expansion unit for HPS-01 max 2kW

Snubber circuit to protect relay when switching inductive loads

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Version 4 - EC200089

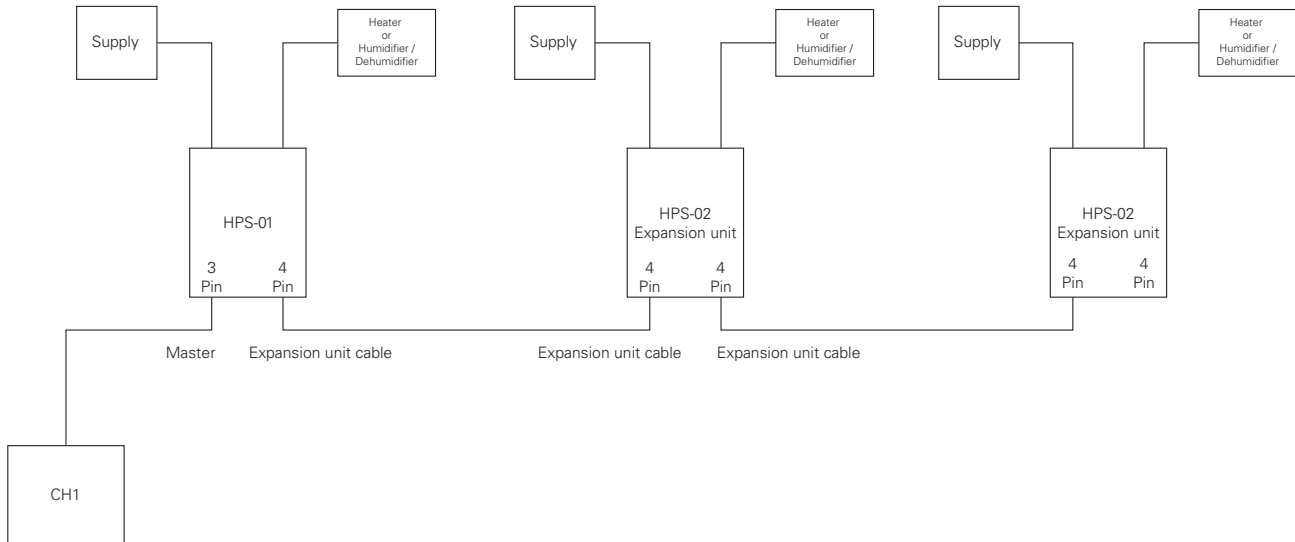
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Schematic

HPS - 02



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