HVAC Controller G6

Lead-Lag Controller for up to 6 HVAC Units

Overview:

The HVAC Controller is a lead-lag controller to manage your remote HVAC units for maximum life. The convenient front-panel LCD touchscreen allows you to run tests on each unit, configure controls and alarms, and see the status of all HVACs. When not in test mode, the display cycles through several screens with multi-zone temperature readings, lead-lag status, and more.

As it's essentially a telco-grade RTU with specialized HVAC functions, you also gain 12 general-purpose discrete inputs and 12 additional relay outputs (above and beyond 4 RYWG relays per HVAC unit)

Add D-Wire sensors to ensure specific "hot zones" receive adequate climate control. Temp+AirFlow sensors let you assess HVAC performance (bad compressor, clogged filter,etc.) and trend each unit's output over time.

The HVAC Controller wall-mounts to manage your remote site HVAC units (up to 6)

Benefits:

- **Monitor and control up to 6 HVAC units** for Lead/Lag operation (including multi-zone)
- **Cut down on extensive truck rolls** while improving site reliability
- Easy to mount and install
- Convenient front-panel LCD touchscreen with "comfort button" for site technicians
- Test mode can be run from front LCD for easy diagnostics
- Convenient and **secure web browser interface** for configuration and monitoring
- Wires are secure inside to protect against damage
- **4 (RYWG) relay outputs per HVAC unit**
- 12 additional general-purpose relay outputs
- 12 general-purpose discrete input
- D-Wire support for (up to) **dozens of daisy-chained sensors**
- Proven telco-grade design
- 30-day money-back guarantee

Specifications:

Discrete Alarms:	12
Analog Inputs:	N/A
Control Relay Outputs:	12 (Form A/B, field select-able)
Relay Max Voltage:	60VDC / 120VAC
Relay Max Current:	1 Amp, AC/DC
Ping Alarms:	32
Power Inputs:	+/- 12/24/48 VDC
Current Draw:	750mA max @ 48VDC
Fuse:	Glass Fuse
Protocols:	SNMP(v1, v2c, v3), DCPx, TELNET, HTTP, HTTPS, TTY, TRIP, ICMP

Interfaces:	1 RJ45 10/100BaseT full-duplex Ethernet 1 USB craft port 4 D-Wire ports 7 serial ports (RS485 for Modbus)
Operating Temp:	-22° to 158° F (-30° to 70° C)
Operating Hum:	0% -95% non-condensing
RoHS:	5 of 6
MTBF:	60 Years
Dimensions:	15.35" H x 10.04" W x 2.66" D
Weight:	3.56 lbs (1.61 kg)
Mounting:	19" or 23" rack

D-Wire Temperature Sensors:

D-Wire sensors are a way to track environmentals of your telecom shelter using convenient daisy-chained sensors. With D-Wire sensors, **you don't have to worry about analog capacity on your HVAC Controller or a tangled mess of "home runned" wires.**

D-Wire sensors use simple RJ12 connectors, in and out, which allows you to daisy-chain dozens of sensors to a single DPS HVAC Controller's D-Wire ports. Your sensor chain can total hundreds of feet, so you can run sensors out as far as you need to monitor your equipment.

When used with your HVAC Controller, D-Wire sensors can help you achieve complete visibility of your HVAC unit's performance - including the **temperature and airflow output of each vent and multiple ambient room temperature and humidity sensors.**

D-Wire Temperature Sensor (Temp+Humidity & Temp+AirFlow are also available)

Sensor Benefits:

- D-Wire sensors are **connected & powered via simple CAT5e/RJ12 cables.**
- "Plug 'n' Play" functionality: Each sensor is **auto-detected** by the HVAC Controller
- The analog signal is digitized at the sensor, so your cable run does not cause distortion.
- Analog value is sent to the HVAC Controller for data logging and real-time reading.
- DPS Telecom D-Wire Sensors are more economical compared to most third-party alternatives.
- Sensors are uniquely identified by the host or HVAC Controller, allowing them to be supervised. This means if a sensor is unplugged or the cable is broken, the HVAC Controller can detect this and notify you.

MADE IN USA

Each DPS device is **proudly made in Fresno, California, USA.**

We have our own engineers, factory, test faciliites, and metal shop.