WALKER

Easy-STAT 2x

Stand Alone or Communicating Controllers

Easy-STAT

DESCRIPTION

Easy-STAT2x is a highly stable, multi-loop unitary controller with a strong background. Twenty years of control systems technology in large applications are compressed into this small powerful controller using state of the art control strategies.

Easy-STAT2x can operate stand-alone or as a fully functional component of a distributed control system. It can be self-networked to share global information.

Downloadable programs for control strategies can be adjusted with knob and keypad, dumb terminal, or via networked commands.

POWERFUL FEATURES

- High accuracy "industrial grade" controller
- Big easy-to-read 4 digit LCD
- Temperature, setpoint, plus 2 external Inputs, 6 Digital and 2 Analog Outputs
- Simple operation
- Keypad and terminal (or PDA) access to all functionality
- Real time display
- EPROM setup via serial port
- Dual time schedules with 2 intervals per day
- 8 hour clock backup on power fail (some models)
- Configurable number of heat/cool stages
- Analog outputs configurable for cooling (0 to 10Vdc) or Heating Triac's (0 to 10 seconds)
- Supervisory mode or local access to all internal variables
- Direct manual control of outputs
- Several algorithms and options in each controller
- Plug and play when tied to Walker SAC controllers
- Accessable via Internet or Intranet using additional Walker products
- Custom applications available on request

COMMUNICATIONS PROTOCOLS

All points supervisable via:

- Walker I/O BUS
- BACnet MS/TP
- Johnson-N2
- custom third party protocols

APPLICATIONS

- Multiple zone heating and cooling
- Humidification
- VAV control
- Rooftop units
- Fan coil units
- Heat-pumps
- AHU and economizer

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CONTROL ALGORITHMS

- Standard Proportional

One controller to control up to three stages of heating and three stages of cooling. Options include fan status feedback, stage swap enable for heating, reversing valve output, 2 to 10V output, schedule output, fan continuous and PWM outputs. All variables are adjustable. Algorithm is available with either scheduling or I/O Bus functionality.

Other versions based on the proportional algorithm include:

- with 100% Fresh Air

Control two stages of heating and two stages of cooling with different strategies for day and night modes.

- with Pressure Control

Including a third static pressure control loop

- with Gruner motor control

Setup and control of a Gruner damper motor/ flow controller for VAV.

- Cooling offset

Cooling based offsets for heating and night setpoints for use in the Middle East.

- with Modulating control

Modulating outputs for floating control of damper motors.

- with Duty cycling control

Adjustable sequencing on the outputs for duty cycling of loads.

- with Humidity control

Including a third humidity control loop.

- Economizer control

Including a third PI economizer controller to control free air cooling under certain limits.

- VAV – SH6 (Beta) I/O Bus

Under development.

SPECIFICATIONS

Interface

- Thumbwheel knob (access to setpoints) in ^{O}C or ^{O}F or Warmer/Cooler
- LCD (Optional): 4 7-segment digits
- 1 or 3 button keypad option with LED override indication

Temperature Sensor
3K thermistor (± 0.2°C, ± 0.36°F)

Communications Protocols
Walker I/O Bus, RS232, RS485, Smartlan, Modbus

Connectors
RS232 with terminal strip, ribbon cable or RJ45

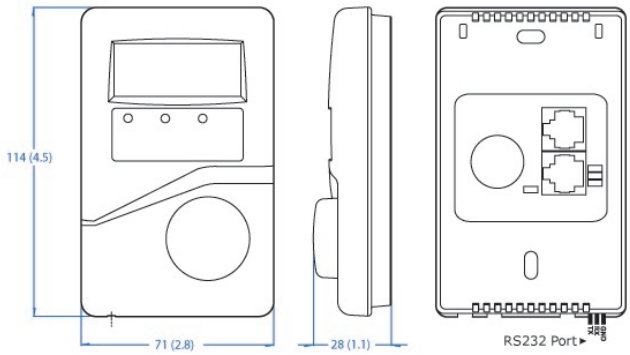
Power
Switching Power Supply 24VAC (18Vac to 30 VAC) or 9 to 12 VDC

Clock (optional)
Real time clock with capacitor back up

Inputs/ Outputs (optional)
Using terminal or relay board

- 4 universal Inputs
- 3 universal Inputs with Gruner interface
- 2 analog outputs (0-10V)
- 6 digital outputs for relay drive

Dimensions in mm (inches)



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