# i/Box<sup>™</sup>

## ST-35ER-F SMART STAT<sup>TM</sup>



### FEATURE SUMMARY

- Free Topology LONWORKS<sup>™</sup> Communication FTT-10A (78KB)
- Neuron<sup>®</sup> 3150<sup>®</sup> processor
- Attractive architectural grade packaging
- User Interface: Backlit 2-digit LCD and 4-pushbuttons
- Fully programmable through graphical based VisualControl<sup>™</sup>
- Easily accommodates standard and custom control strategies
  - 5 Digital Relay Outputs
  - 1 On-Board Thermistor
  - 4 Jumper Selectable
    Universal Inputs or
    0-10VDC Output
- Engineered for substantial job cost savings
- 2 Year Limited Warranty

The ST-35ER sets a new precedent in the LON industry with the first wall mount fully programmable controller with integral 2-digit display. The functionality of the ST-35ER is virtually limitless with its flexible I/O configuration. Typical applications for the ST-35ER include control of: AHU's, Package Units, Heat Pumps, Fan Coil Units, Terminal Units, Unit Ventilators, VAV, etc.

The ST-35ER is fully programmable via VisualControl Graphical Programming. Standard and custom applications can be easily modified and/or created graphically, without the necessity of learning Neuron C or line code programming with unique syntax. The flexible I/O configuration of the ST-35ER consists of the following:

#### 5 Dedicated Digital Outputs - Relays

These Relays are 24VAC voltage sourcing thereby saving field wiring time when energizing coils. There is no need to introduce 24VAC into the circuit, eliminating the need for power or common jumpers in the field.

#### One On-Board Internal Thermistor

The on-board sensor provides accurate space temperature sensing.

#### 4 Jumper Selectable Inputs/Outputs

The ST-35ER includes a total of 4 jumper selectable inputs or outputs. Each of the 4 I/O can be individually selected to be either a Universal Input or an Analog Output (0-10VDC) by simply moving a jumper. Typical applications for these I/O include: Supply Air, Mixed Air, Return Air, OSA, CO2/VOC Sensors, Fan Status, Compressor Status, Refrigerant Line Temperature, Occupancy, Modulating HW & CHW valves, VFD & Damper Control, etc.

The ST-35ER incorporates a fully programmable end user interface which consists of the following: Backlit 2-digit LCD display and four pushbuttons. The functionality of the pushbuttons are completely flexible with the only limitations being the engraved labeling on the 4-buttons: up arrow, down arrow, mode, and fan. When the 4-pushbuttons are programmed to accommodate set point, override or fan control strategies, tremendous savings can be experienced as these are all software functions and do not require any additional devices to be purchased, installed and/or wired in the field.

Network connectivity is made easy with a discretely placed service pin pushbutton and service pin LED accessible at the top of the ST-35ER enclosure. The unit does not need to be removed from its base or wall, if wired, to establish a network connection.



improvements in design and reliability. SMART CONTROLS,

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