Pressure and Temperature Control Kits

Description

The Process Controller Panel Kits incorporating the GSX process controller have been designed for installation into a variety of packaged heat exchanger and standalone control systems.

The versatility with either the pre-programmed control logic or customizable push button interface allows each panel to operate with a wide variety of heat exchanger models and configurations or in combination with a pressure transmitter for accurate pressure control.
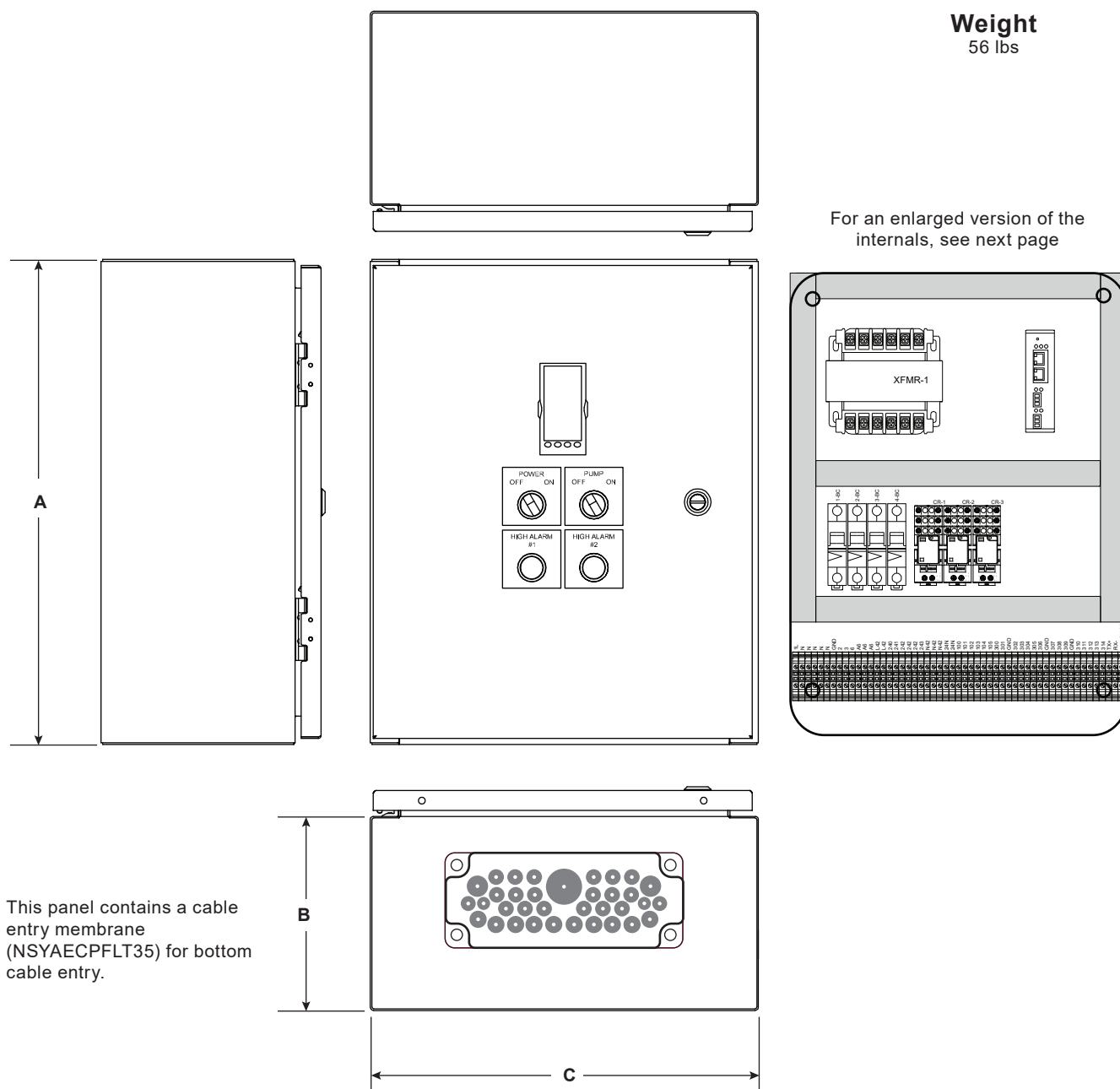

GSX Universal Panel

Features:

- Heating Control Panel Types: Building Heat or Domestic Hot Water

- Universal Control Panel for most Heating, Pressure, Flow, or Level Applications

- External on/off selector switches for panel power and optional 120V manual component

- Standard Communication: Modbus RTU (Enhanced Communication: Modbus TCP, BACnet IP, or BACnet MS/TP)

- Pre-Configured Controls Logic: Pre-configured pressure, Building Heat, or Domestic Hot Water Profile (additional profiles available via Technical Support)

- Alarms: (2) Visual Alarms with dry contact relays. Up to (4) total alarms available via Communication output. Factory set to High alarms but field settable to any available internal alarm. See GS-X2 documentation for a full list of available alarms.

- Construction: Painted Carbon Steel

- Design Standard: UL Listed Control Panels

- Probe(s): Pressure Panel – (1) 4-20mA input for process control with additional (1) 4-20mA input for information only.

    - Field retrofittable for other sensor types, see TI-P794-01 for compatible sensors.

- Input: Pressure Panel: 2-Wire Pressure Transmitter, 24V loop-powered by GSX controller

- Output(s): (2) 4-20mA analog outputs for Modulating Control

    - (2) Dry Contract Alarm Relays

    - Modbus or BACnet Communication

    - (1) Optional High limit output (24 Vac)

    - (1) Optional High limit output (120 Vac)

    - (1) 120V output via on/off selector for manually controlled valves/local recirculator pump

    - (4) configurable Digital Inputs/Outputs

- Controller Features: See GS-X2 Technical Information Sheet TI-P794-01

- Fabricated, designed, and tested in the USA

Electrical Specification:

- Control Panel Supply Voltage:

    - 110-120 Vac @ 50-60Hz

- Control Panel Circuit Breakers:

    - Inlet Voltage Breaker – 10A

    - 120 V Power Breaker – 5A

    - Controller Breaker – 5A

    - 24 V Power Breaker – 3A

- Electric Actuator Power:

    - 24 Vac or 120 Vac

- Modulating Output(s):

    - (2) 4-20 mA control

- Enclosure rating:

    - NEMA 4

- Controller:

    - See GS-X2 Controller Technical Information Sheet TI-P794-01

Note: Control Panels also available as stand alone panels.

Dimensions/weights (approximate) in inches and lbs

Weight
56 lbs

For an enlarged version of the internals, see next page

XFMR-1

A

B

C

This panel contains a cable entry membrane (NSYAECPFLT35) for bottom cable entry.

A	B	C
20	8	16

Safety information, installation, and maintenance

Full details are contained in the Process Controller Panel Kits Installation and Maintenance Instructions (IM-P794-03) supplied with the product.

Example : 1-off Spirax Sarco Universal Process Controller Panel with Enhanced Communication

Internal view

spirax sarco

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