



### FEATURES:

- Multiple selectable control strategies: single, two, or three-element level control
- Quick & steady response to sudden load changes
- Automatic switch over to single-element control on low steam flow
- Selectable operator views
- Pre-engineered and pre-configured

### OPTIONS: (enable as needed)

- Steam & Feedwater Flow Totalization
- Selectable retransmission of any input
- Configurable IP address

Variations in drum level from steam, not only have the potential to cause costly shutdowns but also pose safety risks if the control system fails to respond. Use Panelicity DrumControl to minimize, or even eliminate, boiler shutdowns. This safeguards valuable production time and materials, and enhances boiler safety.

The Panelicity DrumControl application pays for itself by preventing one or more unexpected shutdowns per year. Whether you require single, two, or three-element control, during installation Panelicity lets you choose your desired strategy from the user-friendly front LCD touchscreen. Panelicity also lets you select one of two operator views.

Standard features include steam flow, feedwater flow, and totalization which become operational when the corresponding strategy is selected. The system offers both “shift” and “continuous” totals to ensure convenient and efficient data recording. Panelicity includes an automatic mode switch to Manual upon a loss of drum level signal or poor quality (out-of-range) signal. This feature provides an additional layer of protection to prevent potential risks or operational issues.

## Take Control with DrumControl

Whether you're using steam for processing or heating or you have package or field-erected boilers, a safe and consistent steam supply is essential. In today's economic climate, total installed cost is an important consideration.

## Reduce Installation & Startup Cost

DrumControl comes ready to install. Simply enter the operating parameters specific to your boiler. All entries for engineering unit ranges, feedwater curves, and other commissioning Data are made via the controller front panel. No special software or external programming device is needed for installation, startup, or operation.

## Maintain Drum Water Level

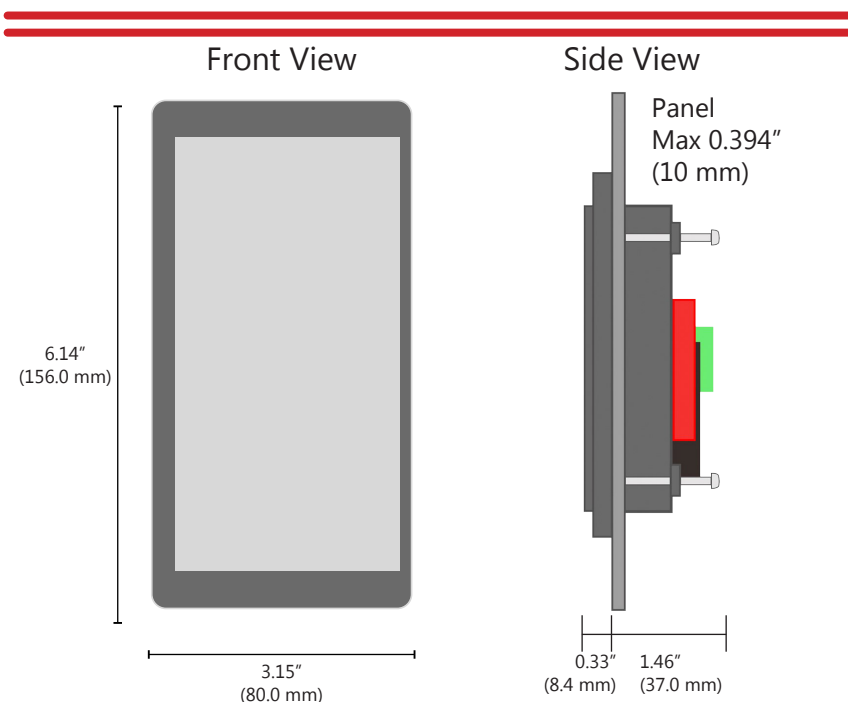
Thermal shock and efficiency losses are caused by low water levels. Dirty steam, carry over, water hammer and equipment damage is caused by high water level. A constant feedwater flow is maintained by DrumControl during load changes.

## Improve Response to Load Changes

Large and rapid load changes in a single element controller cause loss of control. DrumControl easily handles this by supporting two-element and three-element control.

## Field Flexibility

With DrumControl, choose your control strategy in the field. This enables you to modify your control as your budget permits.



**Part Number:**  
TPAC100704AB4T624Vu1CA-DL

## SPECIFICATIONS

### Process I/O

#### Analog Inputs:

Drum Level  
Steam Flow  
Feedwater Flow

#### Analog Outputs:

Feedwater Demand  
Retransmit Analog Input

#### Discrete Input:

Alarm Acknowledge

#### Discrete Outputs:

Alarm Horn

#### Communication:

RS-485 Modbus TCP (standard)

## OPERATING CHARACTERISTICS

**Power Supply:** 12-28 VDC

**Power Consumption** <500 MA

## PHYSICAL CHARACTERISTICS

**Power Supply Voltage:** 12-28VDC

**Power Consumption:** <500mA

**Operating Temperature:**

32°F (0°C) to 131°F (55°C)

**Storage Temperature:**

-4°F (-20°C) to 185°F (85°C)

**Relative Humidity:**

5% to 95% non-condensing

**Front Face Rating:**

IP65 (water resistant)

**Panel Cutout:**

Width 2.65" (68mm) x Height 5" (127mm)

**Controller Dimensions:**

(including bezel):

Width 3.15" (80mm)

Height 6.14" (156mm)

Depth 1.46" (37mm)\*

\*Depth is the depth behind the panel.

An additional 0.25" is needed for use with ethernet cable.