

TriCore Flow Diversion Panel

TriCore AEA's pasteurizer control solution

The TriCore Flow Diversion Panel was developed to offer our clients better options for their processes. Powered by Allen Bradley technology, each panel is meticulously documented, quality crafted, and rigorously tested to get you up and running fast. These systems offer numerous features at a great price. The TriCore Flow Diversion Panel features include:

- Operates on any HTST, HHST, or UHT configuration.
- External CIP routine start signal.
- Internal or external flow diversion valve pulsing for CIP.
- Meter based timing or timing pump control.
- Outputs provided for all common HTST devices: Stuffing pump, booster pump, timing pump, homogenizer, homogenizer recycle valve (if homogenizer is not timing pump), divert valve, and leak detect valve, separator bypass valve.
- All flow promoting devices are conditional on the timing pump running during production mode.
- Two differential pressure inputs for multiple regenerator sections.
- Works with any flow diversion valves.
- Window in the door for observation of PLC and I/O status.
- Indicator lights for forward flow, diverted flow, valve fault, legal power, and legal flow for meter based timing system.
- Forward flow and diverted flow based on dual feedback from both flow diversion valves.
- Illuminated switch for selection and status of the three process modes.
- Optional UL Listed control panel.
- STLR power is monitored by PLC.



- No need for extra relays for external PLC to control HTST devices.
- Hasp provided on the outside of the enclosure for sealing the enclosure by the FDA.
- Stainless steel or mild steel enclosure option.
- Plus many more.



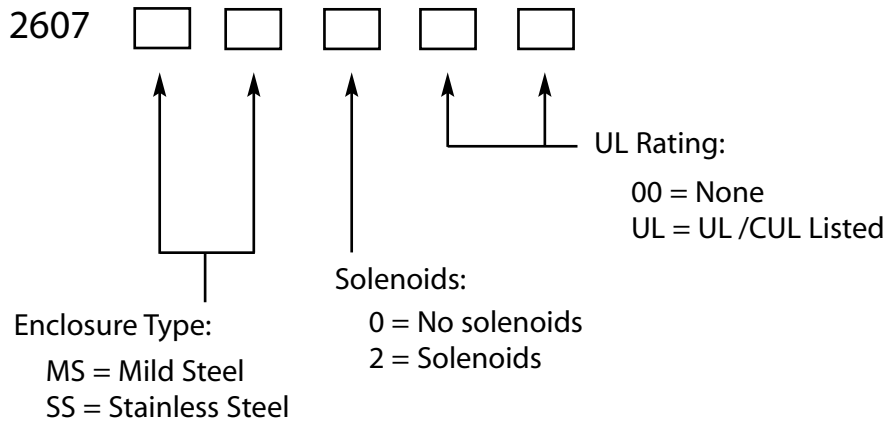
TriCore AEA is continuously bringing innovative products to the food, beverage, and dairy industries. If you would like more information on the TriCore Flow Diversion Panel,

or any other of our products, please contact TriCore at 262-886-3630.



Technical Specifications

Part # Structure:



Relay Outputs:

Maximum Load: 1440 VA Total
Maximum Continuous Current: 8A Total
or
1.5A/Output

Inputs:

On State Voltage Range: 790-0132 Vac
Operating Frequency: 47Hz to 63 Hz

Enclosure:

Dimensions: 20 x 16 x 8
Material: 16 Ga. Steel (Mild Steel Option)
16 Ga. Type 304 Stainless Steel (Stainless Option)
Rating: NEMA Type 4, Type 12 (Mild Steel Option)
NEMA Type 3R, Type 4, Type 4x, Type 12, Type 13 (Stainless Steel Option)

Environment:

Operating Temperature: +0 degrees Celsius to 55 degrees Celsius
(+32 degrees Fahrenheit to +131 degrees Fahrenheit)
Operating Humidity: 5% to 95% relative humidity (non-condensing)
Voltage: 120 Vac
Power: 5 Amp Max
Air Requirement: 18.4 SCFM Max @ 90 psi

