

Product Information - AV-9900

AV-9900 HTST Recorder Controller

Introduction

The AV-9900 HTST recorder controller is specifically designed for use in continuous pasteurization applications. The unit combines failsafe protection for the pasteurization process with the broadest range of configuration options ever available in an HTST control package. This is accomplished via a unique, four color printing technology which prints on plain paper, 12", 100 division charts. Each unit is programmable for up to 4 independent recording ranges and input types. Each scale is color coded to its' trend pen to provide a chart that is simple to read, even with multiple variables.

The standard unit provides legal Safety Thermal Limit Recorder (STLR) functionality with up to 5 selectable diversion setpoints. Remote selection of these setpoints is available as an option. Product temperature is monitored via our time proven dual element, 1,000 ohm RTD sensor. The STLR monitors sensor balance between the two elements to insure failsafe operation. The hot product scale, temperature, and flow diversion valve frequency trend are printed in red. When configured for multiple divert, the activated setpoint temperature is continuously printed in green.

The unit can be optionally specified to include hot water control (HWC). This variable is normally displayed and controlled, but not recorded. For multiple divert applications, separate hot water setpoints can be programmed to be selected automatically when the diversion setpoint is changed.

Cold product can be optionally specified for Recording (CPR), or Recording/ Controlling (CPRC). The range for this function is programmable to provide maximum readability in the product range while including CIP temperature. The standard color for this variable is blue.

Now available with a Safety Flow Limit function for systems with meter based timing. This option can include Recording (SFLR) or Recording and Control (SFLRC). Range can be configured in percent flow or engineering units (GPM etc.). The standard color for this function is black.



Features

- New four color recording technology prints all trends, scales, events and customer specific messages on a plain paper, 12" chart.
- Hot product, cold product, hot water, and flow-rate all recorded and/or controlled in a single unit.
- Meets all PMO requirements for HTST, HHST, and UHT applications.

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Specifications

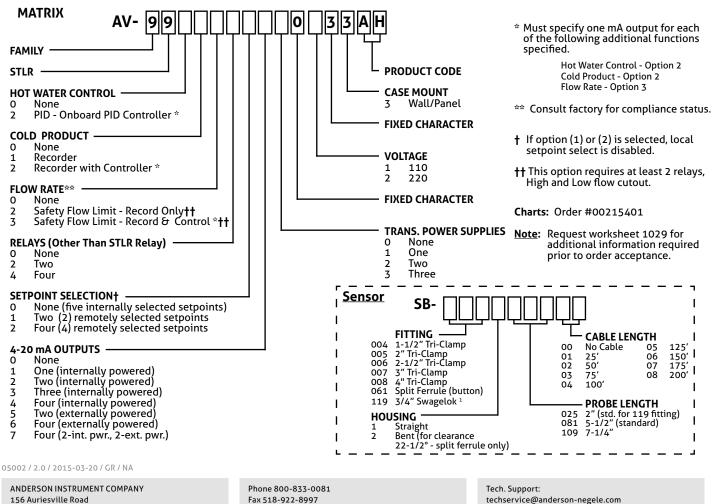
PERFORMANCE		POWER		
Recording Accuracy:	±0.3% of chart span reference accuracy	AC Power:	115 or 230 VAC, ±15%, 50/60 Hz,	
Operating Temperat	ure: 0 to 50°C (32 to 122°F)		auto-switching.	
Humidity:	10 to 90% RH, non-condensing	PHYSICAL		
Warranty:	2 years	Overall Dimensions:	14.12 inches wide x 17.04 inches high x 7.75	
Agency Approvals:	UL approved in the USA, UL certified for		inches deep : (358.65mm wide x 425.96mm	
	Canada		high x 196.85mm deep)	
		Panel Depth:	5.25 inches (133.35mm)	
INPUTS		Panel Cutout:	12.7 inches wide x 12.7 inches high	
STLR Input:	Dual Element, 1,000 ohm, 3-wire		(322.58mm X 322.58mm)	
Hot Water & Cold Product:		Front Panel Protrusion: 2.5 inches (63.5mm)		
	Single Element, 100 ohm, 3-wire or 4-20mA,	Weight:	25 lbs. maximum (55 kg)	
	2-wire	Vibration:	3 to 100 Hz @ 0.2g	
Flow Rate:	4-20mA, 2-wire	Enclosure:	Gasketed cover, case and windows.	
			Structural foam case, cover material with	
OUTPUTS			plastic window areas, NEMA 4X.	
A total of four on/off relay outputs and up to four 4 to 20mA analog		Mounting:	Universal, Panel or wall.	
outputs are available	e.	Chart:	12" diameter, 100 linear divisions	
STLR Relay:	DPDT, 5 amps at 115 VAC, 2.5 amps at 230	DISPLAY AND KEYPAD)	
	VAC	Duimenus Diculass	2 line / 0 character vacuum fluerescent	

LK Kelay:	1, 5 amps at 115 VAC, 2.5 amps at 230
lay Outputs:	T, contacts rated 5 amps resistive at 115
	, 2.5 amps resistive at 230 VAC.
lay Outputs:	•

Primary Display:

2 line, 40 character vacuum fluorescent display with characters .21 inches (5 mm) high.

Order Information



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