



Anderson Instrument Co., Inc.
 156 Auriesville Rd.
 Fultonville, NY 12072
 Phone: 518-922-5315 or 800-833-0081
 www.anderson-negele.com

Technical Bulletin

AV-9900 HTST Recorder/Controller
 Order Worksheet - Page 1 of 2

Order Matrix Number:

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If [2] Complete Section II
 If [1-2] Complete Section III
 If [2-3] Complete Section IV
 If [1-3] Complete Section VII
 If [1-4] Complete Section VI
 If [2-4] Complete Section V

Section I - STLR and General Instrument Settings (MUST COMPLETE)

- Chart Tag (Max 10 characters - print on outside band of chart): _____
 - Instrument Tag (Max 20 characters - visible on user display): _____
 - Degrees F or Degrees C
 - Chart Rotation: 12 hour (Mandatory if PMO Regulated Process) Other: _____
 - STLR Range: 120-220 deg F 190-290 deg F 220-320 deg F
 90-190 deg F 50-100 deg C 90-140 deg C
 Other: _____ (Must be 100 deg span if PMO Regulated Process)
 - STLR Diversion Setpoints: 1. _____ 2. _____ 3. _____ 4. _____ 5. _____
- NOTE: A. Event pen standard - matches STLR pen color B. 165 deg F default if setpoints not specified - field changeable
 C. If remote setpoint, either 2 or 4 setpoints available - must match option chosen

Section II - HWC - Hot Water Controller

- Input Type: RTD mA - 4mA = _____ 20mA = _____
- Transmitter Power Supply: No Yes - This mA Input Is Un-powered - Supply Required
 (***) Choose In Section VII (***)
- Hot Water Setpoints: 1. _____ 2. _____ 3. _____ 4. _____ 5. _____
 (Will track STLR setpoints if same number specified)

Section III - CPRC - Cold Product Recorder / Controller

- Input Type: RTD mA - 4mA = _____ 20mA = _____
- Transmitter Power Supply: No Yes - This mA Input Is Un-powered - Supply Required
 (***) Choose In Section VII (***)
- Range: 0-200 deg F (Direct range configured as standard) Other: _____

Section IV - SFLR - Safety Flow Limit Recorder / Controller

- Input Type: (mA Input ONLY - No alternate options)
- Transmitter Power Supply: No Yes - This mA Input Is Un-powered - Supply Required
 (***) Choose In Section VII (***)
- Range: Percent (%) Gallons Per Hour (GPH) Gallons Per Minute (GPM)
 Liters Per Hour (LPH) Liters Per Minute (LPM)

Flow Meter Output: 4.00 mA = _____ (0% if Flow in Percent)
 20.00 mA = _____ (100% if Flow in Percent)

NOTE: This option requires RELAY 1 and RELAY 2 as dedicated to SFLR function. Be sure at least two relays have been specified in appropriate order matrix section..

NOTE: Event pen standard - matches SFLR pen color



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Section V - Relays

Note: If unit has SFLR (Safety Flow Limit Recorder), MUST specify two relays dedicated to this function. Programmed as RELAY 1 and RELAY 2.

1. RELAY 1 Assign to: SFLR Alarm 1 - Loss Of Signal (Mandatory if unit has SFLR function)
 Other: _____
2. RELAY 2 Assign to: SFLR Alarm 2 - High Flow (Mandatory if unit has SFLR function)
 Other: _____
3. RELAY 3 Assign to: Other: _____
4. RELAY 4 Assign to: Other: _____

Section VI - Current Outputs (4-20 mA)

Note: Each function that is specified with a PID CONTROLLER OUTPUT, or is programmed with a mA RETRANSMISSION, MUST be tied to a Current Output.

1. Select desired Current Outputs (Total number defined MUST match total number specified in matrix)

- Hot Water (HWC) PID Controller Output
- Cold Product (CPRC) PID Controller Output
- Safety Flow (SFLR) PID Controller Output
- Safety Thermal Limit (STLR) Input Signal mA Retransmission - 4mA = _____ 20mA = _____
- Hot Water (HWC) Input Signal mA Retransmission - 4mA = _____ 20mA = _____
- Cold Product (CPRC) Input Signal mA Retransmission - 4mA = _____ 20mA = _____
- Safety Flow (SFLR) Input Signal mA Retransmission - 4mA = _____ 20mA = _____

Section VII - Transmitter Power Supply

- | | | | |
|---|------------------------------|-------------------------------|-------------------------------|
| <input type="checkbox"/> Power Supply One Tied To Function: | <input type="checkbox"/> HWC | <input type="checkbox"/> CPRC | <input type="checkbox"/> SFLR |
| <input type="checkbox"/> Power Supply Two Tied To Function: | <input type="checkbox"/> HWC | <input type="checkbox"/> CPRC | <input type="checkbox"/> SFLR |
| <input type="checkbox"/> Power Supply Three Tied To Function: | <input type="checkbox"/> HWC | <input type="checkbox"/> CPRC | <input type="checkbox"/> SFLR |

Miscellaneous Notes