

**ROCON LLC**

FLOW RANGE .4-12 GPM (1.9 - 45.4 LPM)  
MAX PRESSURE 190 PSI (13 BAR)

SERIES: DPL

# DeltaPoint®

## Resistance welding tip loss monitor



### Description

DeltaPoint® detects leaks from cap loss, hose burst or inadvertent shutoff. Monitoring robotic cells, pedestal welders or multiple work cells. Water is shut down to stop the leak and a signal is sent to the controller. The flow sensors have no moving parts to be affected by entrained contaminants. The only mechanical parts are the shut off and check valves.

### Features

- Stand alone package for installation ease
- Sensor has no moving parts to wear, break or cause nuisance tripping
- Visual flow indication reads in GPM or LPM
- Visual Temperature indication reads in degrees F or C
- User Programmable: Leak rate alarm, response time, restart delay, Flow OK level, temperature fault level and minimum flow monitoring.
- Bypass - Electrical & Mechanical
- Available Versions: AC, DC and DeviceNet
- Available Range: 4 GPM (15 LPM) and 12 GPM (45 LPM)
- Water/Glycol coolant up to 20% mix
- Alarms are digital or go from 0 to max voltage
- Female micro-connectors

### Unit Specification

#### General

- Pressure Drop: 2.1 PSIG (0.1Bar) @ 6 GPM (22 LPM)
- Differential Pressure Limits: 5 – 80 PSID (0.3 – 5.5 Bar)
- Maximum Operation Pressure 190 PSI (13 Bar)
- Fluid Temperature Limits 35-210°F (2-99°C)
- Ambient Temperature Limits: 32 – 122 F (0-50°C)
- Weight: 13.5 Lb (6.1 kg)
- Wetted Material: Brass
- Electrical Enclosure: Aluminum Optional mounting bracket
- Optional valves: standard, heavy duty and air operated
- Porting: ¼ NPTF or BSPT

#### Flow / Temperature Sensors

- Accuracy ± 2% Full Scale Flow, ±1% Temperature
- Repeatability ± .25% of actual flow
- Response Time Flow: 1 second to 63% of flow change
- Response Time Temperature: 1.8 seconds
- Material: PVDF (Kynar)

#### Solenoid Valve

- Style: Diaphragm, 2-way pilot operated, NC
- Cv: 8.4
- Mechanical Bypass Standard
- Response Time: 1-1.5 seconds to shut off water. Length of hose run from unit to weld gun effects response time.
- Material: Forged Brass
- Seal: NBR (Buna N)

#### Check Valve

- Style: Piston, O ring seal
- Material: Forged Brass
- Seal: NBR (Buna N)

#### Electrical Specifications

- DeviceNet, DC or AC versions

