



**Sensor Cable Leak Detection – Start-up, Testing and Demonstration
Checklist for PAL-AT and Cable(s)**

PROJECT:

Location

Serial Number:

Date:

Equipment and Start-up Training (“Classroom”)

- Theory of Operation
- System Features
- Equipment Description
- Jumper and Sensor Cable Installation
- Safety
- Pre-Start-up Overview
- Operating Set-up
- Connecting to PAL-AT

Completed – Field Service Tech: _____ Date: _____

Site review of physical components

Completed – Field Service Tech: _____ Date: _____

Site Training:

1. General Component Overview

- Leak detection/location alarm panel
- Leak sensor cable
- Jumper cable
- Cable connector assemblies
- Watertight cord grips
- Shrink tubing for cable connectors

Completed – Field Service Tech: _____ Date: _____

2. PAL-AT Alarm/Locator Panel

- Alarm/Locator Panel Installation
- Terminals
- Power Connection
- Audible Alarm Wiring
- Control Relays
- Communications

- Port 1 - RS-485/RS-232
- Port 2 - RS-232
- Ethernet
- Ethernet Auto-Negotiate Selection
- Replaceable Parts
- Battery
- 24 VDC Fuse
- Contrast Adjustment
- Impedance Jumper Setting

Completed – Field Service Tech: _____ Date: _____

3. Jumper Cable and Junction Box Installation

- Jumper Cable
- Calibration Points
- Junction Boxes

Completed – Field Service Tech: _____ Date: _____

4. Cable Installation in Secondary Contained Piping

- General
- Pull Points
- Cable Splices
- Factory Installed Fiber Pull Rope to Continuous Pull Wire Rope Splice
- Wire Rope to Wire Rope Splice
- Wire Rope to Wire Rope Splice (alternate)
- Wire Rope to Leak Detection Cables
- Installation of the Continuous Pull Rope
- Installing Sensor and Jumper Cables
- Air Testing

Completed – Field Service Tech: _____ Date: _____

5. Cable Connectors

- General
- Cable Connector Installation
- CAGOLD and CATFH Connectors for Sensor Cables AGW-Gold, AGT-Gold, TFH-Gold and TFH
- CAJMP Connectors for Jumper Cables JMP-U/-UD
- CAJPP Connectors for Jumper Cables JPP and JMP
- CAGOLD Connector for ATP Cable

- Shrink Tubing
- Cable Type TFH
- Cable Types AGW-Gold, AGT-Gold and TFH-Gold
- Cable Types JMP-U/-UD, JPP and JMP
- Cable and Connector Testing Procedures
- General
- Continuity Test
- Alternative System Test
- Insulation Test

Completed – Field Service Tech: _____ Date: _____

6. Cable Connections to Panels

- General
- Ferrule Installation in PAL-AT Panel
- Ferrule Installation in Zener Barrier Panel
- ATP Cable Connection at PAL-AT

Completed – Field Service Tech: _____ Date: _____

Field Service Manager: _____ Date: _____

Owner Representative _____ Date _____