Hardware Setup Instructions

Multipurpose Transmitter - **Model ASM02**

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IMPORTANT: The ATEK Customer Care Team (CCT) is ready to assist with any setup help necessary to fully utilize the AssetScan Transmitter. Site and contact information is needed before data is properly managed by the ATEK Intelligence Platform (AIP).

CCT: 800-523-6996 or assetscan.com/contact

Mounting Instructions

1. For best cellular connectivity, be sure top of enclosure has approximately 12 inches of clearance. Metallic structure and concrete walls will limit the cellular reception.

2. Using appropriate #8 or #10 screws, attach the mounting feet to the mounting surface.
   - Mounting feet orientation can be adjusted by loosening the screws on the back of the enclosure. Rotate each foot for best mount location and retighten screw.

Power Wiring

1. Follow proper installation guidelines per the NEC/NFPA 70 and local jurisdiction code.

2. Connect supplied 14-3 SJOOW cable wires to a properly installed junction box for AC Control Power. The AssetScan ASM02 assembly is provided with 10 feet of cable. See Figure A for field installation.
   - Connect the Green wire to earth Ground
   - Connect the White wire to the supply Neutral
   - Connect the Black wire to the supply Line

3. Support SJOOW cable as per the installation practice chosen.

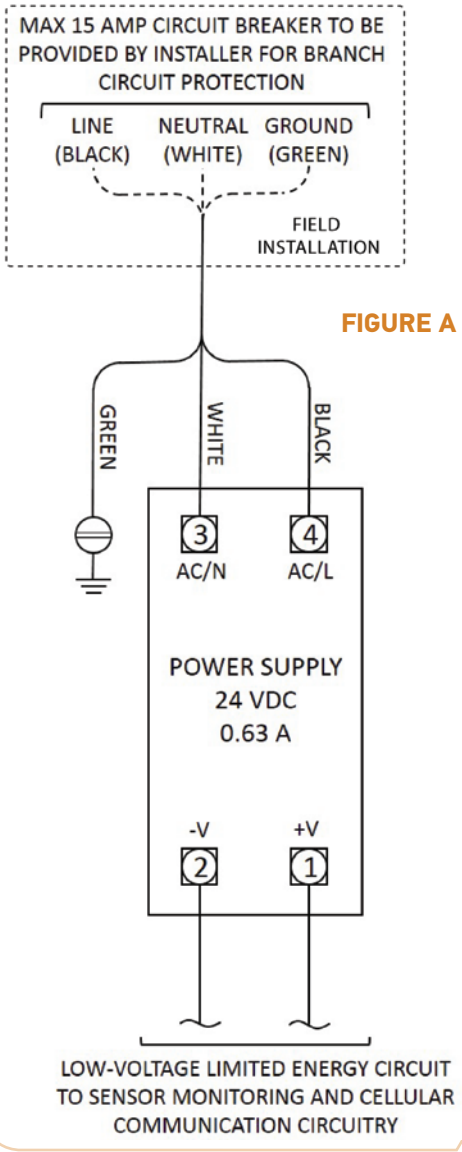

FIGURE A

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Instrument Wire Connections

1. Verify intended instrument is a 2 wire, loop powered, 4-20mA output device, capable of operating at 24VDC with a 200 Ohm load resistor in return line.
2. Sensor Port 1 (located at the left side of cable connections) should be used for a single instrument installation.
3. Sensor Port 2 can be likewise connected to a 2nd instrument for an additional measurement point. The measured variable can be different than Port 1 as long as the instrument's functionality is similar. Both lines are measured and reported simultaneously.
4. Pin 1 of the M12-4 instrument connection (typically a brown wire) is +24VDC and should be connected to the positive (+) terminal of the instrument.
5. Pin 3 is wired to the Negative (-) terminal of instrument.
6. Instrument connections may be accomplished via:
   - Field wire-able M12 connector (ATEK Accessory ASA004) to allow the use of direct cabled instruments, or custom length cable.
   - M12-4 M-F extension cable (ATEK Accessory ASA005 5m, and ASA006 10m) to connect to instruments with integral M12-4 Male connector
   - M12-4 to 1/2NPT connection adaptor (ATEK Accessory ASA020) for instruments with 1/2NPT conduit entries.
   - Other methods per installer's choosing.

Operating Instructions

1. Allow 2-3 minutes after initial power on to allow cellular to properly configure and connect to the network.
2. When both green LEDs are off, press the TEST button to initiate a reading.
3. Log in to AIPAssetScan.com to monitor data and edit device set-up as necessary.
4. Refer to the ATEK Intelligence Platform (AIP) for AssetScan Quick Start Guide for further instructions: **assetscan.com/support** or **download the AIP AssetScan Quick Start Guide.**

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