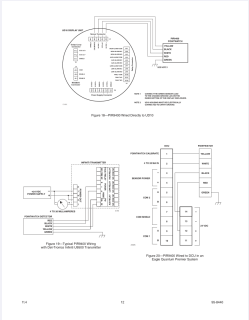
FIELD INSTALLATION QUICK GUIDE

Installation Instructions

PIR9400A3A1AW

Infrared hydrocarbon gas detector



PRODUCT	PIR9400A3A1AW
FAMILY	PointWatch PIR9400
FUNCTION	Infrared hydrocarbon gas detector
STATUS	Verify exact installed equipment

Prepared by Amikon Limited from Det-Tronics documentation. This guide supplements the complete manufacturer manual and site procedure.

01 CONFIRM THE ORDERED CONFIGURATION

Enclosure material	Aluminum
Connection thread	3/4 inch NPT
Weather-baffle material	Aluminum
Hydrophobic filter option	Factory fitted
Lead-wire length option	22 inch
Nominal supply	24 V DC

02 PREPARATION AND CONNECTION

- Establish the approved gas-detection maintenance and alarm-inhibit condition.
- Confirm 3/4 inch NPT entry and the correct termination arrangement.
- Check supply drop; maintain at least 18 V DC at the detector.
- Connect the five leads according to the applicable wiring diagram.

03

OFFICIAL INSTALLATION REFERENCE

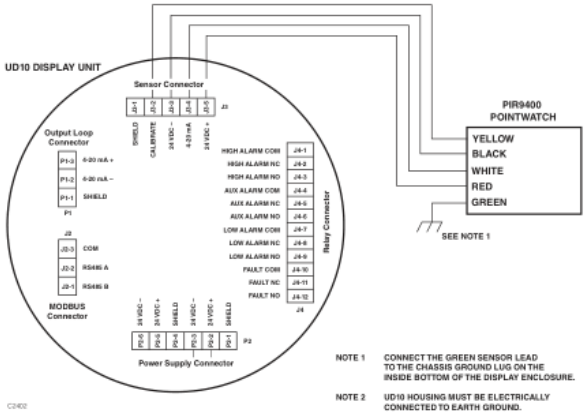


Figure 18—PIR9400 Wired Directly to UD10

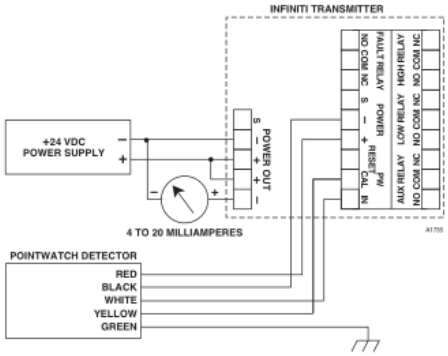


Figure 19—Typical PIR9400 Wiring with Det-Tronics Infiniti U9500 Transmitter

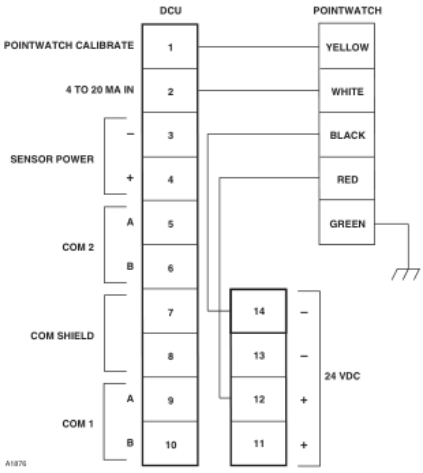


Figure 20—PIR9400 Wired to DCU in an Eagle Quantum Premier System

Official manufacturer page reproduced at its original aspect ratio.

04 COMMISSIONING CHECKS

01	Match housing, thread, filter and approval label.
02	Verify supply, common, signal, calibration and chassis ground.
03	Keep weather baffle and hydrophobic filter correctly fitted.
04	Select and confirm the intended monitored gas.
05	Perform startup, gas calibration and loop verification.
06	Restore alarms only after the site functional test passes.

05 CONTROLLED DOCUMENT

Official source	Det-Tronics PointWatch PIR9400 Instructions 95-8440 revision 11.4, February 2022; specifications, installation and model matrix
Product record	PIR9400A3A1AW
Manufacturer	Det-Tronics
Warranty	12 months from AMIKON
Support	INFO@AMIKON.CN

AMIKON PRODUCT SUPPORT

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