

To Whom it may concern.

Date: Thursday, October 20, 2016

Log# 154

REF: NEW CO2 PILOT CYLINDER ASSEMBLY (D9226-017) - INSTALLATION

Removal of Old Pilot Cylinder Assembly K62959A & K62462A:

Instructions to be read in conjunction with figure 1. below;

- Item 1. Disconnect pilot loop from N2 pilot cylinder.
- Item 2. Ensure red handle reset pin is fully screwed into the control head assembly, Isolate Control Panel and then disconnect wiring from solenoid.
- Item 3. Unscrew and remove N2 pilot cylinder.
- Item 4. Remove control head assembly and bracket.

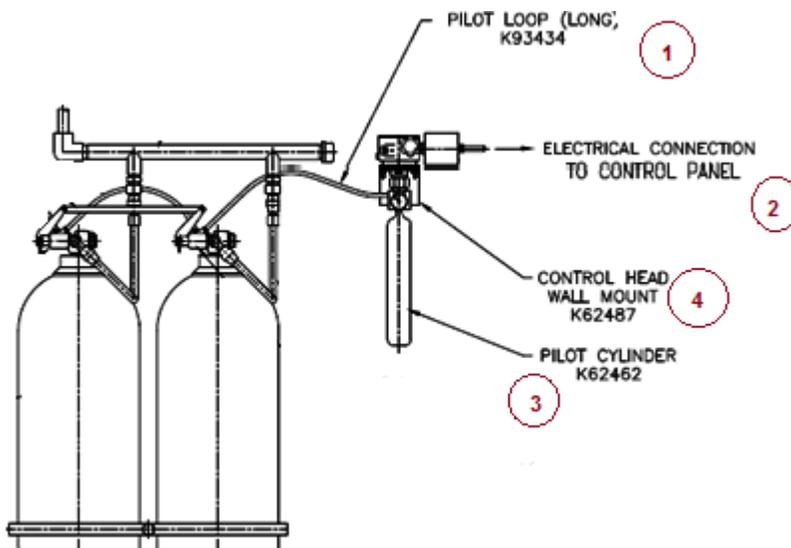


Figure 1.

Kidde Fire Protection
UTC Climate, Controls & Security
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Tel +44 (0) 1494 480410 Fax +44 (0) 1494 480449 Web www.kfp.co.uk

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Registered office: Mathieson Way, Colnbrook, Slough, Berkshire, SL3 0HB
Registered in England No: 4622271

Installation of New Pilot Cylinder Assembly (D9226-017):

Instructions to be read in conjunction with figures 2 below;

- Item 1. Install wall bracket ensuring pilot loop/hose will reach the outlet port adaptor (item 4 of figure 2).
- Item 2. Install N2 pilot cylinder with the front of the valve and the name “Ginge Kerr” facing the front, check that pilot hose (item 6 of figure 2) reaches the adapter (4), connect wiring to the solenoid valve DIN plug following wiring diagram (see figure 4), ensure the plug is not energized prior to connecting to the solenoid.
- Item 3. Fit release unit ensuring O-ring in connecting swivel is in place. Adjust gauge for vertical alignment, tighten swivel nut by hand until pressure is indicated on the gauge and after the unit is pressurized no further alignment adjustment shall be made. Secure connecting swivel by the use of an M36 A/F fixed wrench. Apply torque $60 \pm 1\text{Nm}$ (see figure 3) Leak test all connections, in particular the open end of the hose.
- Item 4. Fit adaptor to the outlet port.
- Item 5. The tee piece (see figure 3) to be fitted to the connection on the rear of the valve, tightening the swivel connection on the tee piece to a torque of 20-25Nm. Tighten the hose to the tee piece (counter hold required) applying a torque 20 – 25 Nm, then finally fit the bleed valve to the remaining end of the tee piece.
- Item 6. Connect flexible pilot loop to adaptor (item 4).

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FLEXIBLE PILOT LOOP (LONG) K93434
(TO BE ORDERED SEPARATELY)

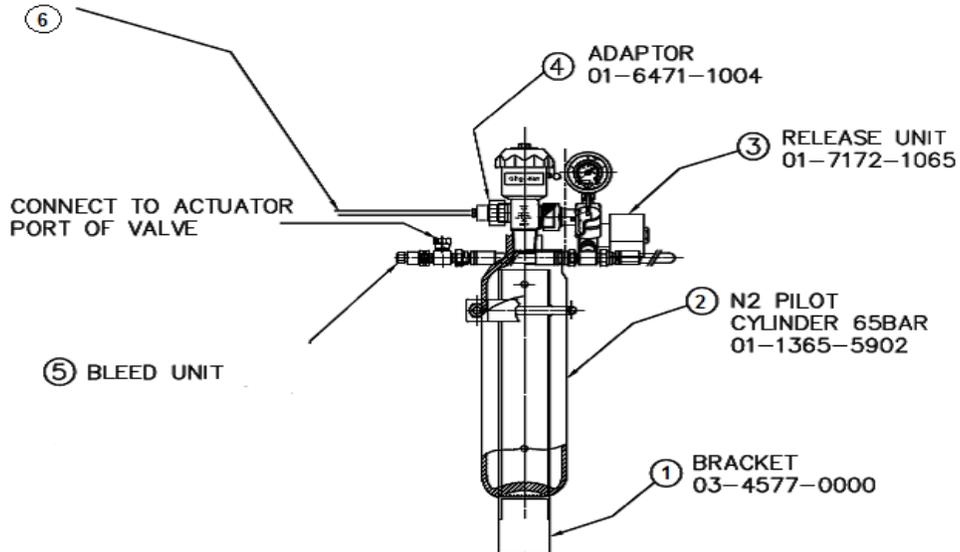


Figure 2.

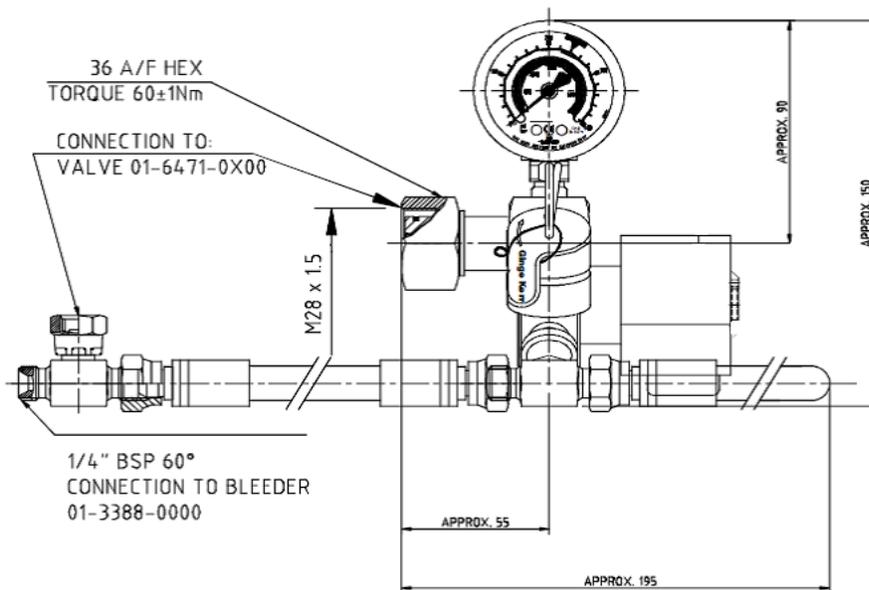


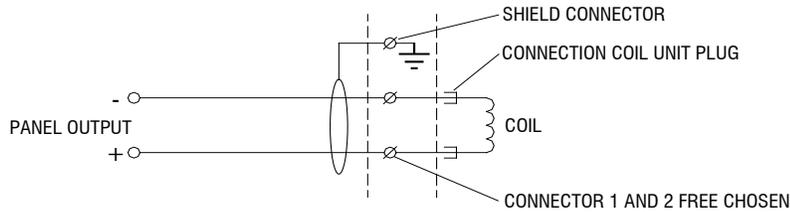
Figure 3.

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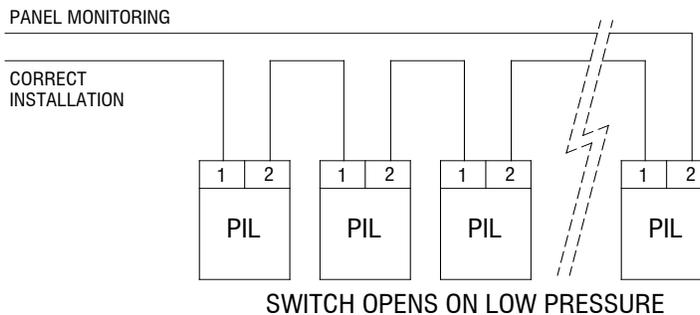
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SOLENOID CONNECTION

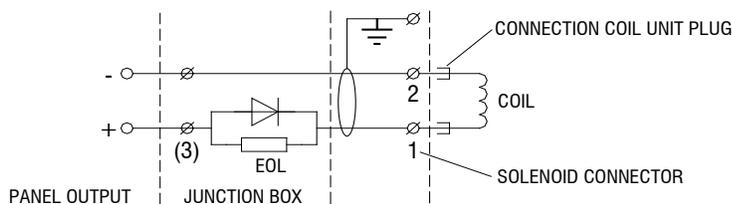
24V DC SOLENOID CONNECTION TO NON REVERSIBLE VOLTAGE OUTPUTS:



PRESSURE SWITCH CONNECTIONS 2 PIN (GAUGE CONTACT TYPE)



24V DC SOLENOID CONNECTION TO REVERSIBLE VOLTAGE MONITORING OUTPUTS, GK TYPE 3010-1010



GK TYPE 1010: EOL = 6,8K ohm OR 8,2K ohm

GK TYPE 3010: EOL = 10K ohm

DIODE IN4007 OR SIMILAR

OTHER EOL VALUES POSSIBLE, REFER TO PANEL SPECIFICATIONS.

EOL AND DIODE TO BE POSITIONED CLOSE TO COIL.

IF A 4 PIN CONNECTOR IS AVAILABLE USE PIN 3.

90-000-1018

Figure 4.

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