4.8V Sensor Excitation Output- May be needed for some uses off the auxiliary inputs.

4.8V Excitation Output

+12V Regulated Power connect to red wire of FloScan Model 201B flow sensor.

Tachometer (See Figure 7 for this connection.)

Fuel Flow Return Connects to white wire of Modle 201B flow Sensor. (Dual Fuel Flow Option Only)

Ground

Outside Air Temperature Probe

13 ◯ 25

Red/Green
Yellow
Green/Black — Serial Out
Yellow/White — Serial In
White/Brown — Aux 4
Yellow/Blue
Violet
Blk/Yel
Red — Power & Voltmeter
Gray/Black
Gray/Red
White
Red/Blue
Black

Blue
N.C.
Green — Aux 1 OAT Input
Gray
Orange — Aux 2
Brown — Aux 3
Red/White
Orange/Black
Gray/Black — Aux 5**
Gray/Red — Aux 6**.
White

ground

Carb Temp

N.C.
N.C.

Audio Out (to intercom)

White/Green

Coolant Temp

Oil Pressure Sender VDO Part Number 360 004. Case must be connected to ground. (-J models use 360 003, 80 psi or 5 Bar)

Warning Light

Push on connectors may be used for these connections. (Included in parts pack.)

1 ◯ 14

Pin numbers on connector housing.

Oil Temperature

Ground (The case of the sensor provides a ground connection for VDO type sensors.)

Ground*

On/Off Switch (The avionics master may be used in place of this switch if desired.)

Fuel Flow Input Connects to white wire of FloScan Model 201B flow sensor. (Optional)

To any other devices that require 12V power that supply signals to the instrument, such as Manifold pressure sensors, capacitive fuel levle probes, vacuum sensors, etc.

Female d-sub connector. Be sure to identify it correctly!

This is a female d-sub connector. It can be identified by its solid end opposite the side the wires are installed. The contacts for this connector are female (socket) type.

Rear View of Connector Housing

This view shows the side of the connector housing that the wire are inserted into.

Aircraft Power 10.5-22 Vdc

Note: Instrument includes an internal thermal fuse for internal protection. Any fuse 5 Amps or less to protect wiring to the insturment is sufficient.

Notes:

* See the "Installation" section, "Wiring" sub-section of the manual for notes regarding proper grounding.

The Serial input, and Audio Output are reserved for future growth. Leave these unconnected at this time.

The Serial Output should be left Unconnected if not used.
N.C. indicates No Connection.
Do not wire to these inputs. They are reserved for future growth.

**Aux5 and Aux6 apply only to instruments with software versions xxx46, or instrument labeled as 6 Aux Inputs. For all others, these inputs should be unconnected.

Figure 5a -- Connector A Wiring for Model 4000/6000/9000

fig5ab16.cdr Rev E