



# ORDER ENTRY CHECKLIST ELECTRONICS – EPC MODULE

Please supply as much information as possible about the application of the EPC you wish to put on order. Order Entry Checklists that are incomplete or are missing required information would not be processed. Refer to sales sheet SS36260 for more information.

## Contact Information

Contact Name: \_\_\_\_\_ Title: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax : \_\_\_\_\_ E Mail : \_\_\_\_\_

Company: \_\_\_\_\_ PO#: \_\_\_\_\_ Oilgear Order #: \_\_\_\_\_

## Checklist Purpose

(Choose One)

- Quote, Request for pricing and delivery information regarding the following EPC unit.
- Purchase, An order is being placed with Oilgear. Please provide a PO# above.

## Module Type

(Choose One)

- Non Configured                      1 Week Standard Delivery
- Configured                                2 - 3 Weeks Standard Delivery
- Small Engineered System            6 - 8 Weeks Standard Delivery
- Other delivery required (specify) : \_\_\_\_\_  
(Expedited deliveries may incur additional charges)

## EPC Part Number

(Choose One)

Refer to Oilgear Bulletin 836269 for Pump Application Information

- L723888-110 PWM, +/- 800 MA, 17 KHZ
- L723888-111 PWM, +/- 800 MA, 7 KHZ
- L723888-112 PWM, 0 - 700 MA, 17 KHZ
- L723888-114 PWM, +/- 250 MA, 17 KHZ
- L723888-116 PWM, +/- 1000mA, 150 HZ
- L723888-118 No Driver Output, Control Loop Only
- L723888-119 Linear, +/- 160mA, 17 KHZ
- L723888-\_\_\_\_ Other known part number
- L723888-XXX Part number unknown, a part number will be assigned by Oilgear

Quantity : \_\_\_\_\_

**NOTE:** This quantity entry is only for 'EXACT' duplicate EPC's; that will match the configuration you are about to fill out. If you require multiple EPC's that have different configurations you must process this 'Checklist' for each.

## Duplicate Order

Only if a exact duplicate of a previously factory configured EPC is requested, supply the information below and the new EPC unit will be programmed at the factory. If this is not a duplicate of a previously factory configured EPC leave this section blank and continue.

Previous EPC P/N: \_\_\_\_\_ Previous EPC S/N: \_\_\_\_\_

Oilgear Order #: \_\_\_\_\_ Oilgear Drawing #: \_\_\_\_\_

**STOP:** If you are ordering a **Non Configured** or **Duplicate EPC** you are not required to fill out the rest of this form. However, **Configured** and **Small Engineered System** orders require you complete the rest of this form. For EPC accessories, installation kits, and programming software options refer to page 4.

## Application Information

Pump Type and Size \_\_\_\_\_ Control Type \_\_\_\_\_

Full Pump Model Code \_\_\_\_\_ (Optional)

Pump Rotation:            ( ) CW Clockwise (right hand)      ( ) CCW Counterclockwise (left hand)

Control /LVDT Location:    ( ) LHSFS                    ( ) RHSFS                    ( ) Top

Pump Port Delivery:        ( ) "A" 1 Way                ( ) "B" 1 Way                ( ) Two Way

Other Application (specify): \_\_\_\_\_

## Program Type

(Choose One)

### ( ) Flow Control

Flow Command Source:    ( ) +/- 10Vdc ( ) 4 to 20mA\*\* ( ) Other: \_\_\_\_\_

### ( ) Flow Control w/ Pressure Limit \*

Flow Command Source:    ( ) +/- 10Vdc ( ) 4 to 20mA\*\* ( ) Other: \_\_\_\_\_

Pressure Limit Source:    ( ) Fixed Internal Preset: \_\_\_\_\_ PSI  
( ) Variable External 0 to 10Vdc  
( ) Variable External 4 to 20mA\*\*  
( ) Other External Variable, Define: \_\_\_\_\_

Max System Pressure: \_\_\_\_\_ PSI

### ( ) Pressure Control \*

Pressure Command Source: ( ) 0 to 10Vdc ( ) 4 to 20mA\*\* ( ) Other: \_\_\_\_\_

Max System Pressure: \_\_\_\_\_ PSI

### ( ) Pressure Control w/ Flow Preset \*

Pressure Command Source: ( ) 0 to 10Vdc ( ) 4 to 20mA\*\* ( ) Other: \_\_\_\_\_

Flow Preset Source:        ( ) Fixed Internal Preset: \_\_\_\_\_ %  
( ) Variable External 0 to 10Vdc  
( ) Variable External 4 to 20mA\*\*  
( ) Other External Variable, Define: \_\_\_\_\_

Max System Pressure: \_\_\_\_\_ PSI

### ( ) Closed Loop Speed Control ‡

### ( ) Load Sense Control ‡

### ( ) Other / Custom ‡

\* Applications with the asterisk require the use of a pressure transducer; see the pressure feedback section of page 3.

\*\* In order to connect a 4 to 20 mA signal to an EPC input an external 500-Ohm resistor is required; see page 4.

‡ An Oilgear representative will contact you regarding the required information for this application type.

## Additional Program Options

(Check all options desired)

### Horsepower Limit Control

Motor HP \_\_\_\_\_ KW \_\_\_\_\_ RPM \_\_\_\_\_ S.F. \_\_\_\_\_

Configuration:

Single Pump     Multiple Pumps and Motors     Tandem /Double shaft One Motor

Feedback Transducer:

Pressure Transducer \*     Current Transducer

Other (Describe): \_\_\_\_\_

Supplied by Oilgear

Supplied by User

### Command Ramp Function

Ramp Time in Volts / Second: \_\_\_\_\_

Digital Input to Enable / Disable

### Analog Output #1 Configured As: \_\_\_\_\_

(Test Point on Front Face)

(Options: **A** - Anlg Input 1, **B** - Anlg Input 2, **C** - Anlg Input 3, **D** - LVDT Feedback, **E** - Current Feedback, **F** - LVDT Oscillator, **G** - VDD Monitor, **H** - VSS Monitor, **I** - Cmd to Current Driver, **J** - Cmd to Pump Controller, **K** - Ramp Signal)

### Analog Output #2 Configured As: \_\_\_\_\_

(Screw Terminals 7 & 8)

(Options: **A** - Anlg Input 1, **B** - Anlg Input 2, **C** - Anlg Input 3, **D** - LVDT Feedback, **E** - Current Feedback, **F** - LVDT Oscillator, **G** - VDD Monitor, **H** - VSS Monitor, **I** - Cmd to Current Driver, **J** - Cmd to Pump Controller, **K** - Ramp Signal)

## Pressure Transducer

(\* Applications with the asterisk require the use of a pressure transducer.)

Transducer Supplied By:     Oilgear to Provide Transducer  
                                          User Supplied Transducer

Maximum Pressure: \_\_\_\_\_ PSI

Hydraulic Fitting:     7/16-20 SAE male (Standard)  
                                  1/4 20 NPT male

Snubber Required:     Yes

Electrical Range:     0 to 10 Vdc  
                                  4 to 20 mA (Oilgear Standard; \*\* Requires External 500 Ohm Resistor, See Page 4)  
                                  Other (Specify): \_\_\_\_\_

## Programming Accessories

(Available at an additional charge)

<u>QTY</u>	<u>Description</u>	<u>Oilgear P/N</u>
_____	EPC Programming and Monitoring Software on CD (Software is available for download at <a href="http://www.oilgear.com/epc/">http://www.oilgear.com/epc/</a> .)	(250858-004)
_____	9-Pin D-sub Serial Communications Cable (Required to establish communications with EPC.)	(247909-494)

## Power Supplies

(Available at an additional charge)

<u>QTY</u>	<u>Description</u>	<u>Oilgear P/N</u>
_____	24Vdc, 1.3A Power Supply (Suitable for one EPC)	(243432-168)
_____	24Vdc, 2.5A Power Supply (Suitable for two EPCs)	(243432-169)
_____	24Vdc, 5A Power Supply (Suitable for four EPCs)	(243432-139)
_____	24Vdc, 10A Power Supply (Suitable for eight EPCs)	(243432-150)

## Installation Kits

(Available at an additional charge; Power Supply and EPC not included)

<u>QTY</u>	<u>Description</u>	<u>Oilgear P/N</u>
_____	Kit 1 - (8") DIN Rail, (2) End Stops, (1) Spacer, and (1) Ground Terminal. <i>This kit is suitable for (1) EPC and (1) 1.3A Power Supply (these items not included)</i>	(K724094-001)
_____	Kit 2 - (13") DIN Rail, (2) End Stops, (2) Spacer, and (2) Ground Terminal. <i>This kit is suitable for (2) EPCs and (1) 2.5A Power Supply (these items not included)</i>	(K724094-002)
_____	Kit 3 - (14") DIN Rail, (2) End Stops, (3) Spacer, and (3) Ground Terminal. <i>This kit is suitable for (3) EPCs and (1) 5.0A Power Supply (these items not included)</i>	(K724094-003)
_____	Kit 4 - (17") DIN Rail, (2) End Stops, (4) Spacer, and (4) Ground Terminal. <i>This kit is suitable for (4) EPCs and (1) 5.0A Power Supply (these items not included)</i>	(K724094-004)
_____	Kit 5 - (21") DIN Rail, (2) End Stops, (5) Spacer, and (5) Ground Terminal. <i>This kit is suitable for (5) EPC and (1) 10A Power Supply (these items not included)</i>	(K724094-005)
_____	Kit 6 - (24") DIN Rail, (2) End Stops, (6) Spacer, and (6) Ground Terminal. <i>This kit is suitable for (6) EPC and (1) 10A Power Supply (these items not included)</i>	(K724094-006)

## Installation Accessories

(Available at an additional charge)

<u>QTY</u>	<u>Description</u>	<u>Oilgear P/N</u>
_____	Ferrite Bead (Wurth 742 712 22) or equivalent; for EMC/EEC Standards	(247909-556)
_____	Ferrite Bead Key, to remove Bead	(247909-557)
_____	** 500 ohm Resistor (for connecting a 4-20mA signal to an EPC input)	(403895-568)
_____	DIN rail for mounting EPC. (Quantity in Inches)	(250629-001)