

When placing an order, build the desired model number using the model number guide below. For ordering information on extension cables and accessories, see page 2.

If you have any questions about how to apply ServoSensors™, please contact Paw Taw John Services at 208-687-1478.

S         D 8 2 1    2

**SENSOR MODEL** \_\_\_\_\_

- SH = Hydraulic Rod-style
- SP = Profile-style

**HOUSING STYLE** \_\_\_\_\_

*Temposonics SH only (magnet must be ordered separately):*

- T = US customary threads, raised-face hex, and pressure tube
- N = Metric threads, raised-faced hex, and pressure tube
- B = Sensor cartridge only (No application housing, stroke length ≤ 72 in.)

*Temposonics SP only (magnet included)*

- M = Floating magnet (Open ring 140°) (Part No. 251416)
- S = Captive sliding magnet with joint *at top* (Part No. 252110-1)
- V = Captive sliding magnet with joint *at front* (Part No. 252111-1)

**STROKE LENGTH** \_\_\_\_\_

- \_\_\_ . \_\_ U = Inches and tenths (Encode in 0.1 in. increments)  
SH and SP: Stroke Range = 1 - 132 in.)
- \_\_\_ \_\_ M = Millimeters (Encode in 5 mm increments)  
SH and SP: Stroke Range = 25 - 3350 mm.

**CONNECTION TYPE** \_\_\_\_\_

Connector

- D82 = 8-pin DIN connectors, integral, standard

**INPUT VOLTAGE** \_\_\_\_\_

- 1 = +24 Vdc (+20%, -15%)

**OUTPUT** \_\_\_\_\_

- V\_\_ Voltage Output; +/- 10 Vdc Output (Range to be specified - see example below)
- A\_\_ Current Output; +/- 50 mA (Range to be specified - see example below)

**Example**

- V10 = +/- 10Vdc Output
- A20 = +/- 20mA Output

**PROGRAM** \_\_\_\_\_

- 3 = Standard ASCII serial protocol

**NOTES:**

- 1) ServoSensors™ are manufactured with an 8-pin male DIN connector.
- 2) For applications requiring baud rates other than the default value (115.2 kBd), the ServoSensor™ must be reprogrammed. If no programming capability exists, customers must consult Paw Taw John Services at time of order to specify desired baud rate.

# How to Order Extension Cables

Two separate cables are needed. One communications cable (D8 female termination) and one servo cable (D8 male termination). Please specify cable assembly types when ordering the ServoSensor™

If you have any questions, please contact Paw Taw John Services at 208-687-1478.



**COMMUNICATION CABLE CONNECTION TYPE**

- CS** = 8-pin female straight connector
- CR** = 8-pin female right angle connector

**CABLE LENGTHS**

- 005** = 5 ft.
- 015** = 15 ft.
- 025** = 25 ft.
- 050** = 50 ft.
- 100** = 100 ft.

**For custom length cables over 100 feet add:**

----- = Cable length (Range 101 ft. - 200 ft.; Encode 101 to 200)

**COMMUNICATIONS CABLE TERMINATION**

- P0** = Pigtail Termination



**SERVO CABLE CONNECTION TYPE**

- SS** = 8-pin male straight connector
- SR** = 8-pin male right angle connector

**CABLE LENGTHS**

- 001 to 005** = 1 ft. to 5 ft. (Range 1 ft. - 5 ft.; Encode 001 to 005)

**For custom length cables over 5 feet add:**

----- = Cable length over 5 ft. (Range 6 ft. - 100 ft.; Encode 006 to 100)

**SERVO CABLE TERMINATION**

- P0** = Pigtail Termination
- Q1** = 4 pin MS Servo Valve Connector
- Q2** = Proportional Valve Connector (Fill in the blank with a following code.)
  - A = Atchley Proportional Valve Connector
  - B = Moog Proportional Valve Connector
  - C = Rexroth Proportional Valve Connector = 7 pin connector
  - D = Textron Proportional Valve Connector
  - E = Vickers Proportional Valve Connector
  - F = Bosch Proportional Valve Connector = 7 pin connector