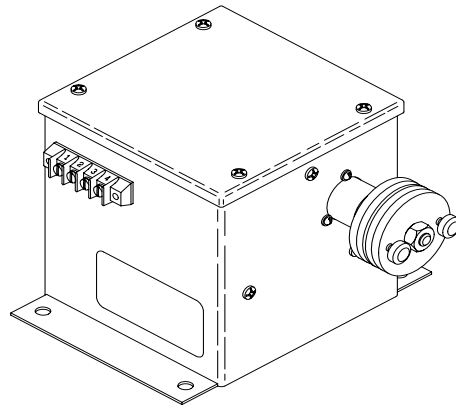




A/F ENCODER STANDALONE



The Stevens® Type A/F Encoder Stand Alone is an input device for the Stevens®GS-93 and AxSys® MPU with the primary purpose of encoding water level or shaft position. The Encoder input shaft accepts standard Stevens float pulleys for either beaded float line or perforated tape, and would be normally be installed in a gage house over a float well.

The Encoder is housed in a protective metal enclosure that incorporates a standard float pulley shaft assembly. The basic encoding device is an incremental optical encoder which transforms the rotating mechanical input to a quadrature type of electrical output signal. This signal is brought out of the enclosure through to a 4 position barrier strip mounted on the side of the encoder housing.

Specifications:

Type A/F Encoder Basic: Incremental optical disc and electronics assembly in sealed enclosure.

Output: Two 5 volt signals in quadrature, with 100 states (400 transitions) per input shaft revolution.

Power: 5 volts direct current +/-10% at 17mA typical in continuous power mode; 3.5 mA typical when sampled by Stevens Logger.

Cable: Power and signal output connections are made to a 4-conductor, shielded cable, conductor size #22 AWG stranded wire.

Enclosure Standalone: Aluminum, protected by polyurethane paint; 5.4 inch high x 7 inch wide x 7.4 inch deep (137 x 178 x 188 mm), exclusive of float pulley.

Weight: Stand Alone: 2 lbs. (0.91 kgs.)

Temperature: -40 to +160 deg. F. (-40 to +71 deg. C)

Stevens Water Monitoring Systems, Inc. 12067 NE Glenn Widing Drive, Suite 106
Portland, Oregon 97220
Phone: 503-445-8000
Fax no. 503-445-8001
www.stevenswater.com