



Honeywell

75mm Linear SMART Position Sensor

01/10/2009

This is Honeywell's first non-contacting linear position sensor that allows unparalleled accuracy and reliability in applications that require measurement of any linear movement

SMART means it can essentially think for itself—it has the ability to self-calibrate because it uses a patented combination of an ASIC and an array of magneto resistive (MR) sensors to accurately and reliably determine the position of a magnet attached to a moving object (e.g., elevator, valve, machinery, etc.) so that the object's position can be determined

With this launch, Honeywell has utilized AMR technology through the ASIC at a level never before accomplished. Linear configuration senses the position of a magnet relative to the sensor from 0 mm to 75 mm [0 in to 3.0 in]

Key Feature and Benefits

- Resolution of up

to 16 bits provides enhanced accuracy

- Non-contacting device can enhance life/durability with less downtime
- Combined patented MR sensor and ASIC technology provide enhanced differentiation and performance
- Air gap of up to 3,0 ±2,5 mm [0.118 ±0.098 in] between sensor and magnet expands application opportunities
- Variety of outputs expand application opportunities (analog standard; CAN bus and RS232 are available upon request)
- Self-diagnostics feature can reduce downtime
- Small size takes up less space than most competitive technologies
- IP67/IP69K sealing for use in many harsh applications
- RoHS-compliant materials meet Directive 2002/95/EC

Potential Applications

- Aircraft Ram Door
- Syringe Pumps
- Cutting and Slitting Machines
- Elevators
- Material Handling
- Packaging Machine
- Plastic Molding Machine
- Valve Position
- Wafer Handling equipment
- Wood Working Machine
- Crane System

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Honeywell 75mm Linear SMART
Position Sensor

15/09/2009

SANYO DENKI CO., LTD. is launching the oil proof fan 2 models designed for use with various types of industrial machinery.

The product can be used in an oil mist environment (environment where cutting oil scatters in the form of a mist).



San Ace Oil Proof Fans

Model No.	SWF0424H701
Air flow	0.195 m ³ /min (8.9 CFM)
Static Pressure	80 Pa (0.32 inch H ₂ O)
Power Consumption	2.04 W
Rated Speed	11,300 min ⁻¹
Sound Pressure Level	38dB (A)
Size	40 x 40 x 15mm
Operating Voltage Range	DC 20.4 V to 27.6V
Rated Voltage	DC 24 V
Life Expectancy	40,000hours (L10: Survival rate: 90% at 60°C, rated voltage, and continuously run in a free air state)
Mass	Approx. 35 g

Model No.	SWF0924H401
Air flow	1.45 m ³ /min (51.2 CFM)
Static Pressure	68 Pa (0.26 inch H ₂ O)
Power Consumption	3.12 W
Rated Speed	3,900 min ⁻¹
Sound Pressure Level	42.5dB (A)
Size	92x92x 25mm
Operating Voltage Range	DC 20.4 V to 27.6V
Rated Voltage	DC 24 V
Life Expectancy	40,000hours (L10: Survival rate: 90% at 60°C, rated voltage, and continuously run in a free air state)
Mass	Approx. 120 g



CH1724

Low Cost Modem Module

04/08/2009

The Cermetek CH1724 is a complete, low-speed modem in a compact module format. The CH1724 is a leadless surface mount, SMD, module. The CH1724 requires less than half the board space of the leading competitor and is less than half as tall as well.

Despite being a low cost module, the CH1724 includes many advanced features such as; error correction, non-volatile memory for configuration storage and stored number dialing, and shared line features thereby permitting the CH1724 to unobtrusively share the telephone line with standard telephones and other equipment.

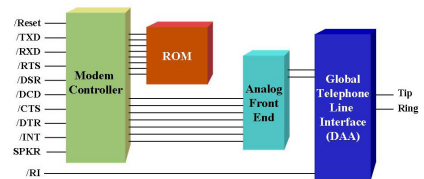
Every CH1724 includes conveyed FCC Part 68 registration and Global Telecom compatibility. This eases the compliance

burden on the system designer adding a modem to a process control, medical monitoring, point-of-sale, or remote diagnostic system.

Features

- Small Size: 1.6" x 0.8" x 0.220"
- Data transfer rates; 300 bps to 2400 bps
- Control & configuration via AT commands.
- 3.3 and 5 volt compatible serial interface
- MNP Error control
- Shared line features prevent modem operation from interfering with voice communications.
- Complete integrated, Global DAA.
- Nonvolatile configuration storage
- User transferable FCC Part 68 registration

- World-wide telephone network compliance.
- UL60950 Compliance
- Low Power operation; 3.3 Volts, 130 mW
- RoHS compliance



Functional Block Diagram of CH1724

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