

## Interactive Catalog Replaces Catalog Pages

Honeywell Sensing and Control has replaced the PDF product catalog with the new **Interactive Catalog**. The **Interactive Catalog** is a power search tool that makes it easier to find product information. It includes more installation, application, and technical information than ever before.



**Click this icon to try the new  
Interactive Catalog.**

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### **Sensing and Control**

Honeywell Inc.

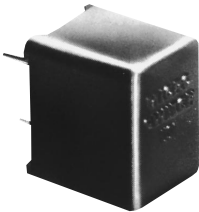
11 West Spring Street

Freeport, Illinois 61032

Solid State Sensors

Series-Connect Digital Current Sensors

CS Series



- FEATURES
- Digital logic level output
  - Miniature size
  - Encapsulated for physical protection
  - Interchangeability
  - Printed circuit board mountable
  - Transient protection provided on I.C.
  - Output voltage isolation from input
  - 40 mA current sinking output

- TYPICAL APPLICATIONS
- Motor overload protection
  - Operations verification
  - Power loss detection
  - Monitoring
  - Burned-out light bulb detection

CS DIGITAL SENSORS

Series-connect current sensors produce a digital logic level output. When the current being sensed reaches a predetermined level, the output changes state.

Operating Principle:

The sensor, wired in series with the current being sensed, detects the magnetic field surrounding a current-carrying conductor. This current path is passed through a flux collector inside the package, and the magnetic field is concentrated at the internal digital Hall effect sensing element. The magnetic field is proportional to the current passing through the conductor. Thus, there is a relationship between the output state of the current sensor and the level of current. Housing material: PET polyester.

SERIES-CONNECT DIGITAL CURRENT SENSORS ORDER GUIDE, SINKING OUTPUT

Catalog Listing	Operate Current @ 25°C (Amps)	Release Current @ 25°C (Amps)	Max. Continuous Current (Amps)	Resistance (m Ohm)	Inductance (μ H)	Supply Volt. (Volts DC)	Output Volt. (Volts)	Output Current (mA) Sinking	Response Time (μ Sec.)
CSDD1ED	3.5	2.6	10	8	7	4.5 to 24	0.4	40 mA	60
CSDD1EC	5.0	3.8	20	5	4	4.5 to 24	0.4	40 mA	60
CSDD1EE	6.5	4.9	20	4	4	4.5 to 24	0.4	40 mA	60
CSDD1EF	9.0	6.8	20	3	3	4.5 to 24	0.4	40 mA	60
CSDD1EG	10.0	7.6	20	3	3	4.5 to 24	0.4	40 mA	60
CSDD1EH	15.0	11.4	20	2	3	4.5 to 24	0.4	40 mA	60

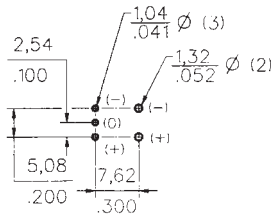
MOUNTING DIMENSIONS

(For reference only)

Key:  
0.00=mm  
0.00=in.



SUGGESTED HOLE CENTERS



View from component side of printed circuit board.

