



- [Home](#)
- [Product Catalog](#)
- [Order Catalog](#)
- [Wiring Diagram](#)
- [Contact](#)

Model 420 - Specifications



[view larger](#)

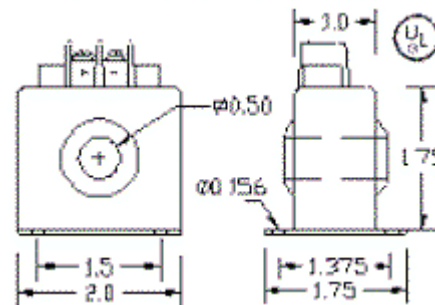
- Accommodates up to 5000 V Cable Voltage
- Extended Temperature Range
- Light Weight
- Small Size
- Encapsulated Shock Resistance
- Metal Encased
- Isolated Two-Wire Transmitters
- Fast, Reliable Response
- Low Cost Industrial Monitor
- Current Overload Protection
- Never Requires Calibration
- Complete Electrical Isolation
- Single Supply Voltage
- Supply Reversal Protection

STANDARD CURRENT RANGES:

A.C. Amps, RMS

**0-5, 0-10, 0-15, 0-20,
0-30, 0-50, 0-75, 0-100**

MAX WEIGHT: 5 OZ.



[view larger](#)

PERFORMANCE SPECIFICATION

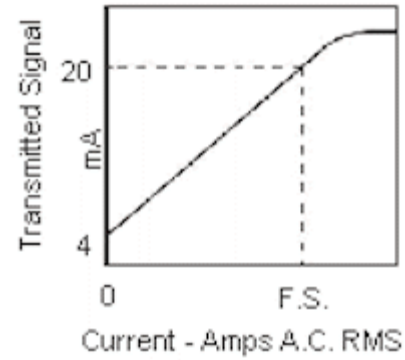
With Optimum Load Resistance

Accuracy	0.5% (Standard)
Repeatability	0.25% Full Scale
Response Time	150 Milliseconds Maximum
Temperature Range	-25 deg. C to 85 deg. C
Temperature Coefficient	0.04% F.S./ deg. C
Conductor Cable Voltage	5000 Volts (Insulated Cable)
Supply Voltage	5 to 40 V.D.C.
Signal Out	4 to 20 mA
Frequency	Nominal 50 / 60 Hz

CONNECTION SPECIFICATION

Conductor Cable Size	Up To 0.50" diameter
Isolation	Input/Output/Case
Insulation Resistance (Between Output and Case)	100 Meg. Ohm Min @500 V.D.C

CHARACTERISTIC CURVE

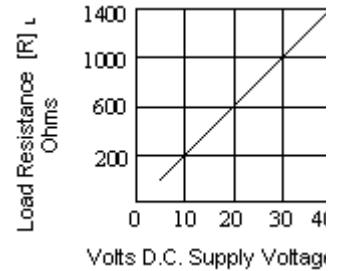


OPTIMUM LOAD RESISTANCE

The optimum load resistance is actually the sum of the line resistance, receiver resistances and added external load resistance. However, in many applications, the line resistance and receiver resistances are negligible in comparison to the added external load resistance. The following equation may apply:

$$R_L = (V_S - 5) \times 40$$

Where: R_L = Load Resistance in Ohms.
 V_S = Supply Voltage in Volts D.C.



Manufacturer maintains right to change specifications without notice; prices as of January 1, 2001.

[top of page](#)

Riley Corporation Sales, Inc.

1060 Witte Road
 Houston, Texas 77005
 (713) 464-7446
 (800) 545-5915
 (713) 464-7452 FAX
wriley@rilsen.com

©Copyright 2002 Riley Corporation Sales, Inc.
 Site designed by [Global Graffiti, Inc.](#)