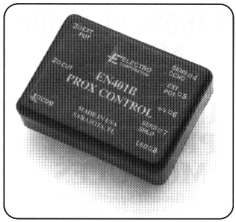
EN401B SERIES
PCB MOUNT SWITCHED OUTPUT INDUCTIVE PROXIMITY MODULES



MODEL NUMBER CONFIGURATION

EN401B I

Standard PCB Mount Module: EN401B

Add "I" for Inverted Logic Output Version: I

The EN401B and EN401BI are PC board mountable, switched output, eddy-current proximity control modules. They are designed to be used with Electro 2-wire eddy-current sense heads (Series 49XX or 85XXX) for non-contact detection of metal targets. Other items required for use of these modules are a suitable mounting board, DC power, external current limiting resistors, and an LED indicator (optional). These modules are especially useful where a custom PC board can be utilized for applications requiring significant numbers of proximity modules at the most favorable price.

GENERAL SPECIFICATIONS

POWER REQUIRED: 10 to 30VDC @ 60mA

OPER. TEMP. RANGE: -40 to 176F (-40 to 80C)

MAXIMUM OPERATING SPEED: 15KHz

INPUT: 49XX or 850XX Series Sense Head

TEMP. STAB.: 10% of Set Point typ., -20 to 80 C
15% of Set Point typ., -40 to -20 C

SIGNAL OUTPUT: Open Drain MOSFET; 75mA, 35VDC max. VDS (ON) @ 75 mA I Sink = .375 V max.

LED OUTPUT: MOSFET; 28mA @ 60VDC max. Note: 680 Ω .5W Internal Resistor

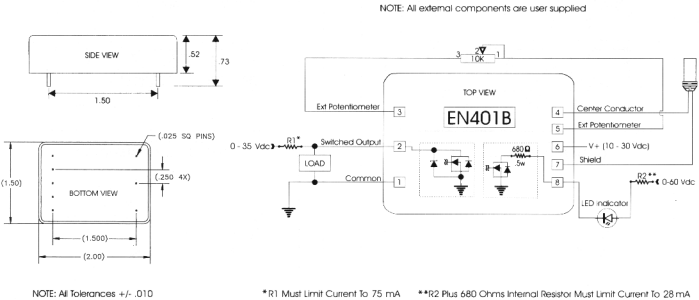
HYSTERESIS: 10% of Set Point typ.

WEIGHT: 1.5 oz (42 gr.)

FUNCTIONAL LOGIC:

EN401B: Output transistor and LED transistor conduct when target is present (normal output).

EN401BI: Output transistor and LED transistor turn off when target is present (inverted output).



NOTE: All Tolerances +/- .010

*R1 Must Limit Current To 75 mA **R2 Plus 680 Ohms Internal Resistor Must Limit Current To 28 mA

Note: Sensing range determined by sense head used. Choose from 49XX or 850XX Series.

ISO 9001

Electro Corporation, U.S.A. 941-355-8411