

# barrett engineering

606 L St, Fortuna, CA 95540  
707-725-9898

## — SMX1 —

### Magnetic Proximity Switch

The SMX1 is a magnetic proximity switch incorporating Hall Effect technology. The two module configuration provides a cost effective solid state solution for a wide range of industrial limit switch applications. The high magnetic sensitivity of this switch design enables reliable detection at up to .6" (15mm) of module spacing.



### Mechanical and Electrical Data

- Case dimensions: 1.25" x 1.00" x .40" (32 x 25 x 10 mm)
- Mounting Two no. 4 screws (refer to diagram for dimensions)
- Electrical connections: Flying lead cable terminations
- Operating temperature: -30 to 65°C (-22 to 150°F)
- Supply voltage: 7.5Vdc to 24Vdc
- Supply current 30ma max (not including output load)
- Output: Open collector NPN and PNP transistors, 250ma max (refer to diagram for connection information)
- Operation: No magnet present, both outputs are off, LED indicator off  
Magnet present, both outputs are on, LED indicator on (may be used with only one output connected to load)

### Sensor Wiring Diagram and Magnetic Alignment

