

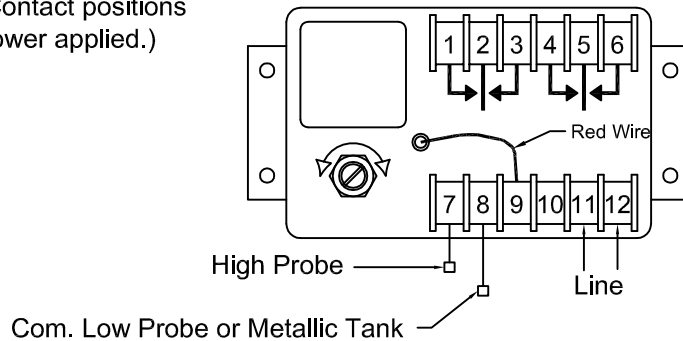


## Series 70 Sensors Model "4R"

On the Series 70 Sensors, terminals 1 through 6 are the relay contacts; terminals 7, 8 and 9 are the probe terminals and terminals 11 and 12 are the AC Line Input.

The probe terminals and the sensitivity adjustment lead (red lead) are to be connected one of two ways:

Connection A: (Contact positions shown with no power applied.)

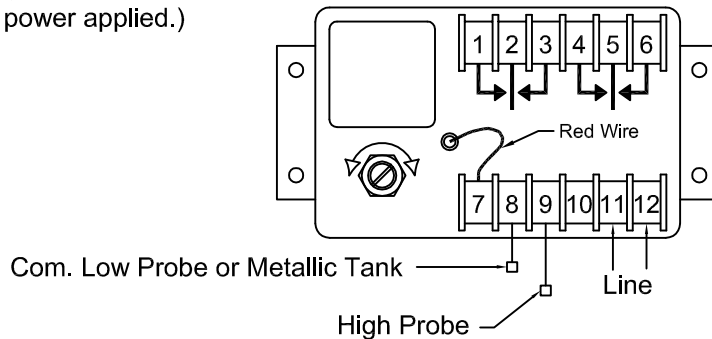


With this connection, the relay will be normally energized, i.e. the relay will de-energized on probe contact.

To set the sensitivity level with this connection:

- (1) Turn the adjusting pot as far as it will go in a clockwise direction.
- (2) Make probe contact with the material.
- (3) Back off adjusting pot in a counter-clockwise direction until the relay drops out. Lock adjusting pot in this position.

Connection B: (Contact positions shown with no power applied.)



With this connection, the relay will be normally de-energized, i.e. the relay will energized on probe contact.

To set the sensitivity level with this connection:

- (1) Turn the adjusting pot as far as it will go in a counter-clockwise direction.
- (2) Make probe contact with the material.
- (3) Back off adjusting pot in a clockwise direction until the relay drops out. lock adjusting pot in this position.

In the case of either adjustment, it is best to over-compensate by about 10 degrees to take into account varying material.

Check to make sure relay changes mode of operation when probes are cleared.

**Badger Magnetics, Inc.**

501 Apollo Drive Lino, Lakes, MN 55014

(651) 784-8888

[www.badgermagnetics.com](http://www.badgermagnetics.com)