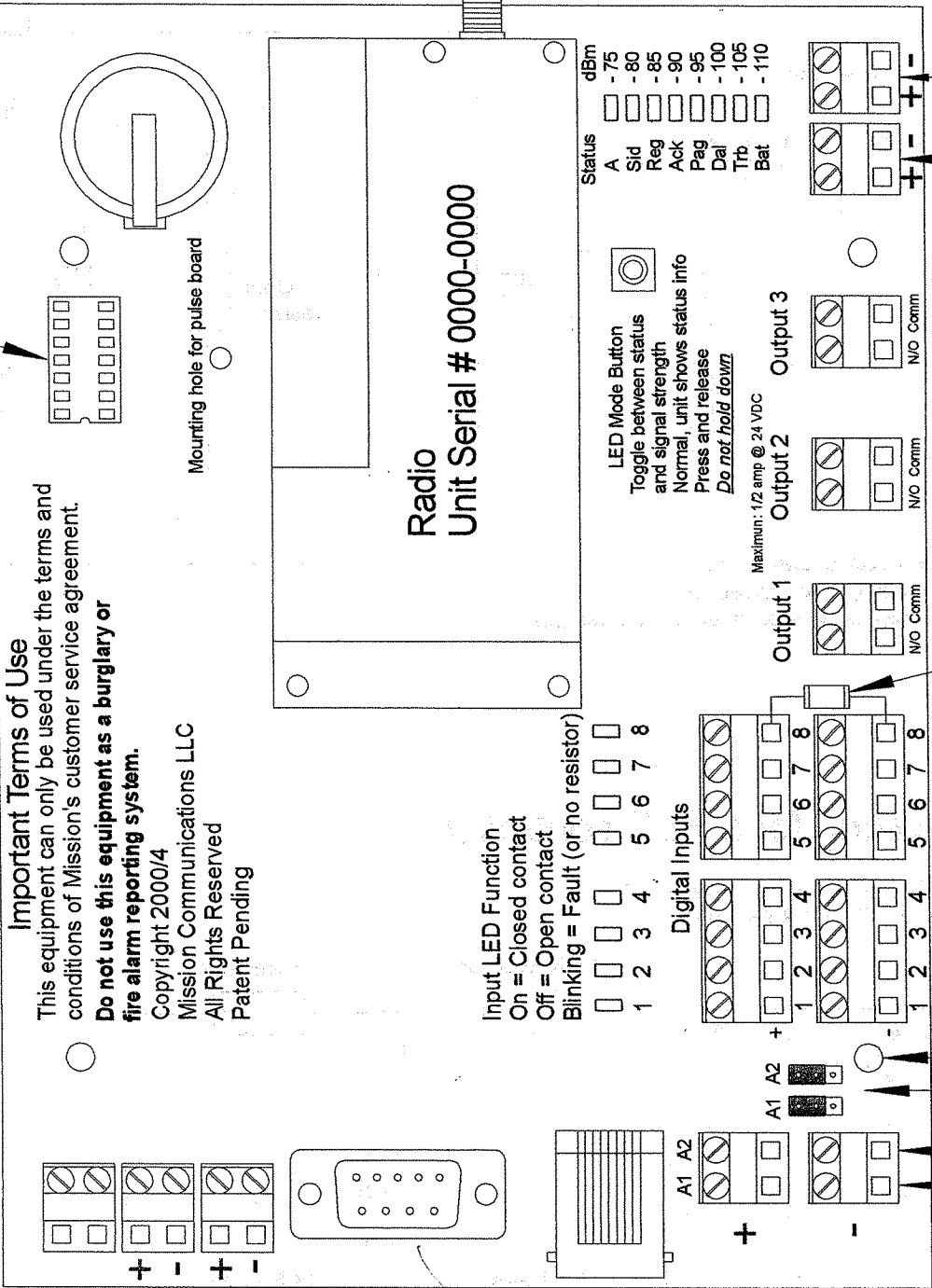
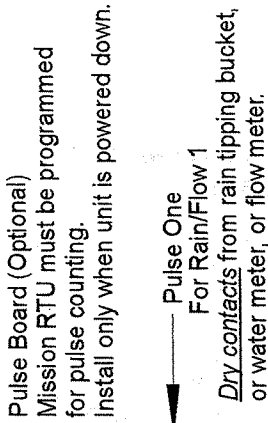


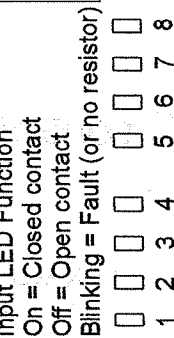
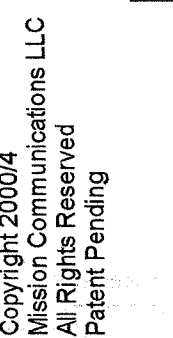
M100 Rev 2 Terminal Definitions



Important Terms of Use
This equipment can only be used under the terms and conditions of Mission's customer service agreement.
Do not use this equipment as a burglary or fire alarm reporting system.
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Patent Pending

- 12 VAC from transformer (yellow wires)
- 12 VDC from battery
- 12 VDC for Aux / Analog (150 ma max)
- Serial Port
Use a DB9 male to DB9 female serial cable. Null modem cable will not work.
- Wet well module connector
- Analog Sensor Wiring
Red: Auxiliary +
Black: Analog +
Green & Shield: Board ground
- Analog Channel 1
- Analog Channel 2
- 20ma Analog Selection

Input LED Function
On = Closed contact
Off = Open contact
Blinking = Fault (or no resistor)



LED Mode Button
Toggle between status and signal strength
Normal, unit shows status info
Press and release
Do not hold down

Maximum: 1/2 amp @ 24 VDC

1000 ohm resistor. Use resistor at end of wiring or on board even if there is no input. See diagram on back. No resistor needed on outputs.

You should not use a common wire for inputs. Inputs have 60 second default delay before activation.
Inputs 1, 2, 3 default to pump 1, 2, 3 run time. Use one resistor for each pump. Do not use a resistor if there is no pump.
These inputs do not send alarms, although can be programmed for an alarm. All inputs can be re-named.
Input 4 defaults to High Wet Well
Inputs 5 & 6 defaults to Pump 1 & 2 failure
Inputs 7 & 8 are unassigned alarm inputs

*** Warning ***
Do not apply 120 VAC to inputs. This will damage the board. Use only dry contacts.

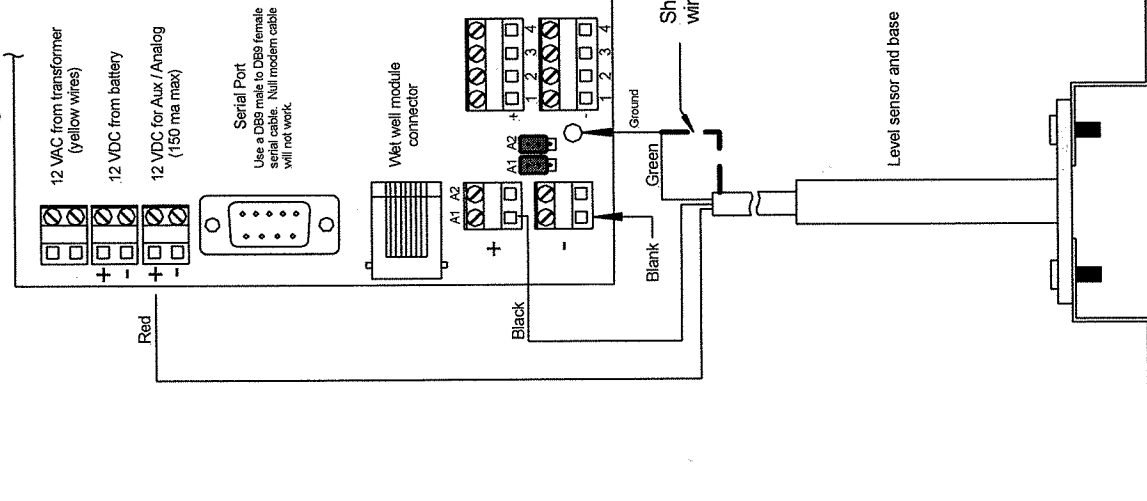
Ground

Jumper across top 2 pins = 4 - 20 ma
Jumper across bottom 2 pins = 0 - 5 volts

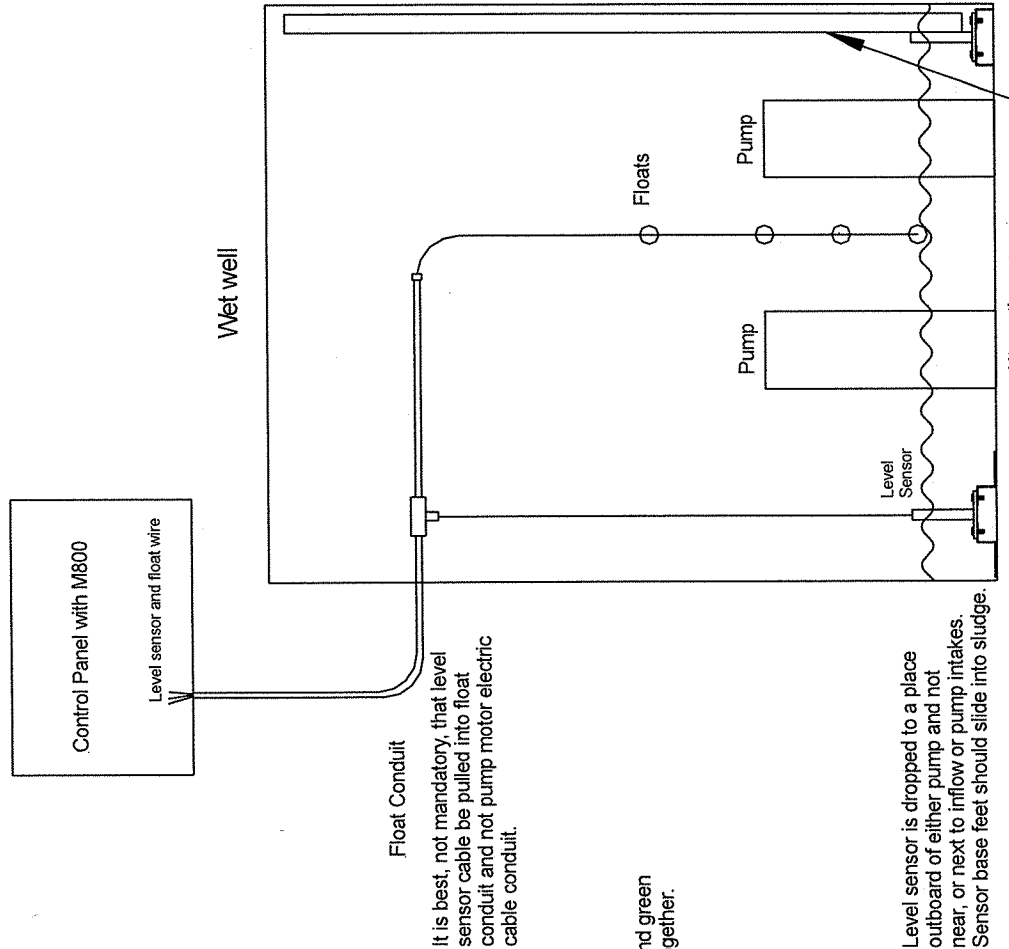
Signal strength is determined by
Lowest number (-75) the strongest
Highest number (-110) the weakest
If the signal strength is below -105 it would be best to relocate the antenna.

Gray +
Key Reader
Black -
Sounder (Noise maker)

Mission Level Sensor wiring for M800 series



Level Sensor Installation



If wet well is very turbulent, then sensor and base may move during pump run. In these cases installers have strapped the level sensor and base to a plastic or non corrosive conduit and secured conduit to the wall of the wet well. Some installers have turned the bases legs inward. Try and keep legs on as they provide reliable spacing between the sensor and the bottom of the wet well.