

Re: Newbie – water detector circuit help please

Source: <http://sci.tech–archive.net/Archive/sci.electronics.basics/2005–07/msg00016.html>

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 - *Date:* Fri, 1 Jul 2005 16:51:43 +0800
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One day Malcx got dressed and committed to text

- > Hi all,
- >
- >
- > I've not dabled with any electronics since High school (about 10
- > years) and have a fairly specific requirement for a detector that I
- > want/need to put together....
- >
- > Background:
- > My storage tank leaked and ruined the flooring – the plumber couldnt
- > find anything obviously wrong with the tank but replaced the pieces
- > that showed signs of wear and we've had no obvious leakage since...
- >
- > Now before the floor is re–laid I want to be doubly sure there no
- > slow leak going on...
- >
- > As the storage tank gets warm, any surface (i.e. detectable) water
- > will evaporate pretty quickly while other moisture will seep out of
- > sight and do damage...
- >
- > Specification:
- > I envisgae all being contained in a small box with probes coming out
- > on lengthy wires.
- >
- > The box will have an LED that is permanantly on when the battery has
- > power (I'd envisage a 9v cell...)
- >
- > There would need to be 2 or 3 moisture detection probes, when any 1
- > probe registers moisture another led on the box will be lit. This led
- > remains lit even after the probe dries. Only 1 led will be needed for
- > all of the probes – i.e. there does not need to be an led for each
- > probe.
- >
- > A reset button will be required to reset the state of the device back
- > to "power led on only" mode.
- >

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- > (Ideally the sensitivity of the probes would be adjustable)
- >
- > Can anyone help me with this seemingly simple circuit design? (I can
- > fit it all together, pcb design etc once I've the circuit diagram)
- >
- > Thanks for your help in advance!
- >
- > Mal

Not an electronic solution but in our part of the world concealed storage tanks are usually installed in a 'tray' fitted with a drain to waste which would take care of the floor spoiling effect.

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Regards Rheilly Phoull

• *Follow-Ups:*

- ◆ *Re: Newbie – water detector circuit help please*
◇ *From: Malcx*

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