

Re: Water Flow Meter

Source: <http://sci.tech-archive.net/Archive/sci.electronics.repair/2008-07/msg00882.html>

- *From:* "Arfa Daily" <arfa.daily@xxxxxxxxxxxx>
 - *Date:* Thu, 31 Jul 2008 14:01:27 +0100
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"N Cook" <diverse8@xxxxxxxx> wrote in message
[news:g6s17r\\$3bd\\$1@xxxxxxxxxxxxxxxxxxxx](mailto:news:g6s17r$3bd$1@xxxxxxxxxxxxxxxxxxxx)

Arfa Daily <arfa.daily@xxxxxxxxxxxx> wrote in message
[news:pqOjk.92904\\$Gb2.88788@xxxxxxxxxxxxxxxxxxxx](mailto:news:pqOjk.92904$Gb2.88788@xxxxxxxxxxxxxxxxxxxx)

"Michael Kennedy" <mikek400remthis@xxxxxxxx> wrote in message
news:Dc6dnfjLZJLOERLVnZ2dnUVZ_vzinZ2d@xxxxxxxxxxxxxxxx

"Smitty Two" <prestwhich@xxxxxxxx> wrote in
message
news:prestwhich-31EFBA.05595629072008@xxxxxxxxxxxxxxxx

In article
<jfadnYvhCeOi-xPVnZ2dnUVZ_jCdnZ2d@xxxxxxxx>,
"Michael Kennedy"
<mikek400remthis@xxxxxxxx> wrote:

Does anyone know where to
get a water flow meter that
will close or

open

a
switch when water is
flowing? I have an AC unit
that uses water to

cool

itself and it produces 110
deg water if you reduce the
flow enough.

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I'm

trying to build a setup that will switch between the on demand hot

water

heater and the AC unit for the house. The major difficulty is determining if there is water flow to the hot water lines in the hose..

Thanks,

Mike

Jacuzzi heater safety switch is a NO switch that closes when water

flows

(i.e. pump is on and working.)

Thanks! I'll look into that. This may be exactly what I need. For use

with

hot water, and flow switch.

Mike

My (very typical) automatic shower pump has a flow operated switch in both the hot and cold sides, to start it up as soon as water flows as a result

of

opening the water valve. It's based on a small magnet that moves up

against

gravity in the water flow, and closes a reed switch. When the valve is

shut

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and water flow ceases, it sinks back down, and the reed switch opens. If

you

know any plumbers, they're sure to have an old pump that they have changed lying around, that you could cull the switch assembly from.

Arfa

I've not come across those devices. Do you happen to know what the resolution is between no flow and minimum recognisable flow. ? That is one problem with ultrasonic Doppler shift flow sensor systems.

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Diverse Devices, Southampton, England
electronic hints and repair briefs , schematics/manuals list on
<http://home.graffiti.net/diverse:graffiti.net/>

I couldn't put you a figure on it, but turning the shower valve just a quarter of a turn out of perhaps 3 turns available, equating to just about a dribble of water from the shower head, is enough to activate it – I just went and checked for you, how dedicated is that ???! :-)

Very reliable system. Never fails to activate the pump. This shower is used every day of the year by at least 2 people, and often as many as 5 people. I am on my third pump in about 20 years. First (cheapo) one developed a motor fault after doing sterling service as the kids grew up. Second one just wore out its bearings, and became very noisy. Current one is heavy duty version, rated for 'continuous' use, and has been in service probably about 5 years. If you know any plumbers, I'm sure that they would have an old one lying around the yard somewhere. All the ones I have owned / seen, employ the reed switch method to control them.

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