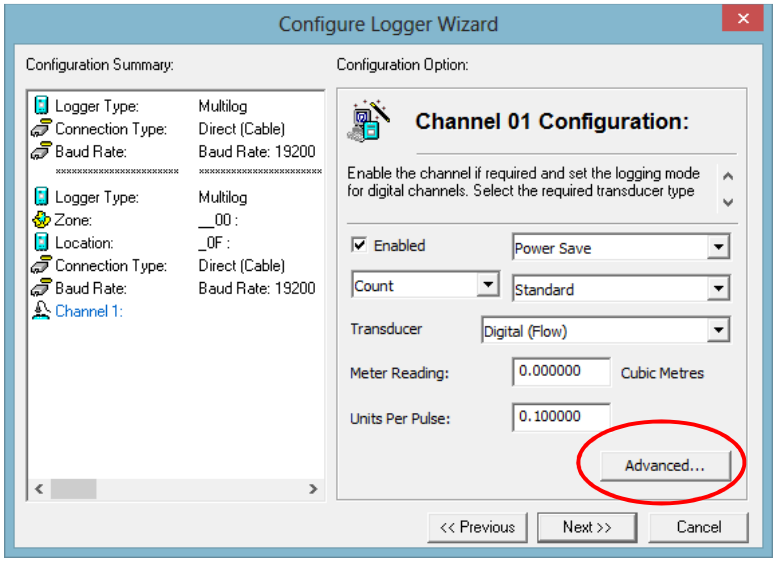
Ref: FAQ0319	Version: 1.0
Title –Radwin software- neg to pos data	
Made By: AB 22/09/15	(Issue 2)

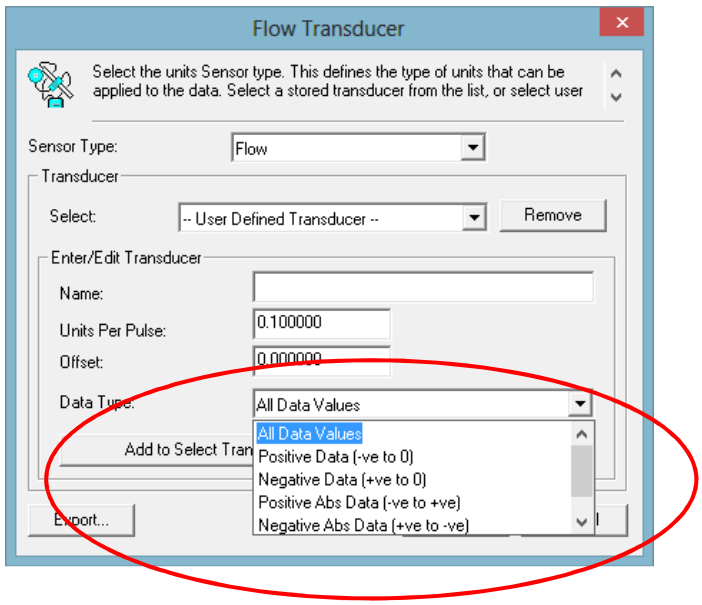
Radwin Software – how to eliminate spurious negative data values from positive data

Sometimes it is possible to get spurious negative flow values in data from a flow logger when it is not possible for negative (reverse) flow to take occur.
Usually this is caused by wiring faults between the sensor and the logger. Although we recommend solving the issue at source it is possible to correct the data either by configuring the logger or by making the change in the Radwin Database by going to the Location Configuration for the logger.

When you configure the logger flow channel if you select the 'Advanced' button –



And then at the 'Advanced' screen go to 'Data Type' –



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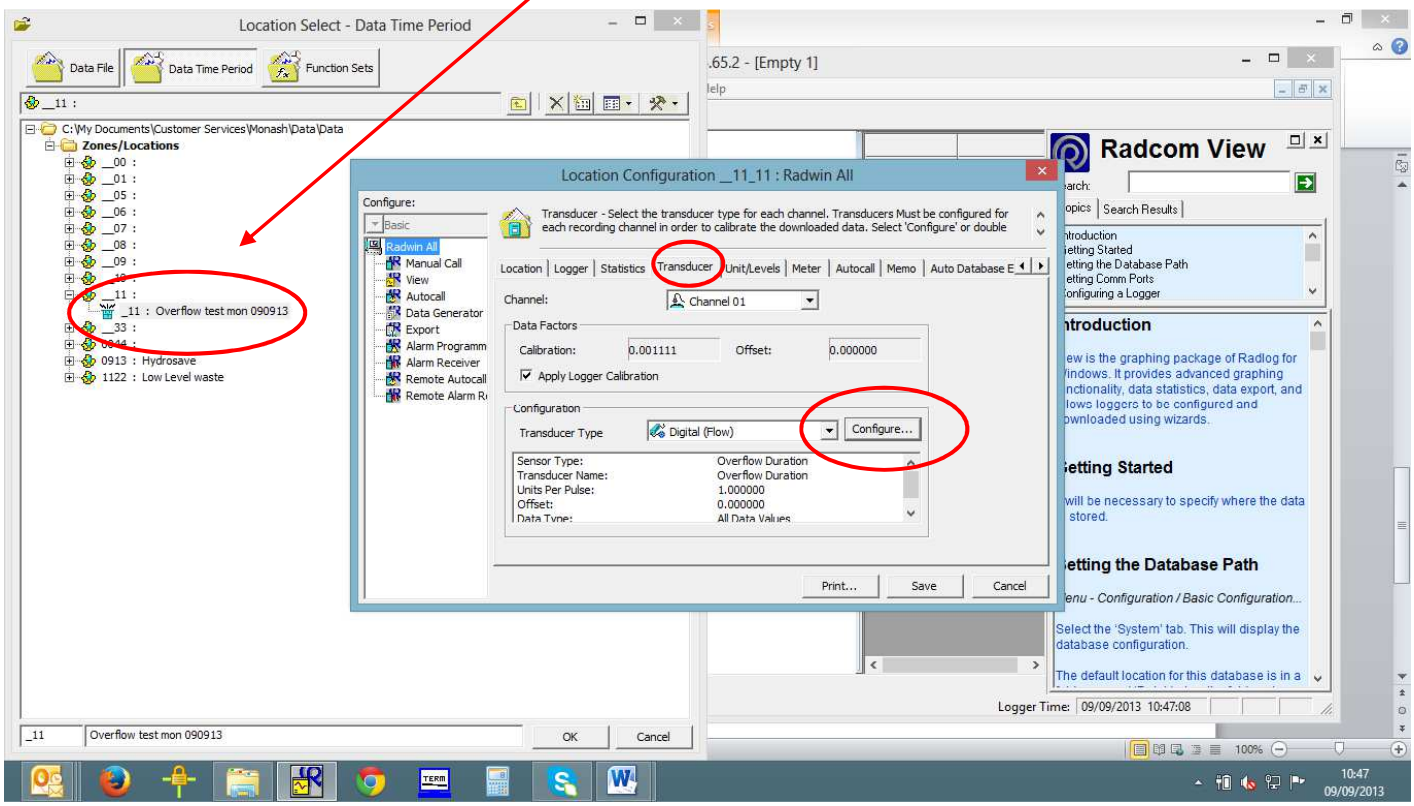
If you select 'Positive Data' then all negative data will be treated as Zero Value (-ve to 0) or if you select 'Positive Abs Data' then all negative data will be changed to positive data (-ve to +ve) so all flow is measured as positive. Selecting this can be used as a quick fix to eliminate spurious negative values created either because the flow pulses are 'floating' (caused no link from Pin a to Pin D) or the data is 'flipping' caused by a short to ground or water ingress in the cable.

To alternatively configure this in the Radwin Database from the 'View' screen go to 'Open Data File' then find the logger in the Database, right click on it and select 'Location Database', 'Edit Location' and select the 'Transducer' tab -



For the flow channel, select 'Configure' and apply the same Data Type value treatment as above, and save it to the location database for the logger.

Document History:

Edition	Date of Issue	Modification	Notes
1st	09/09/13	Release	
2nd	22/09/15	Format update	