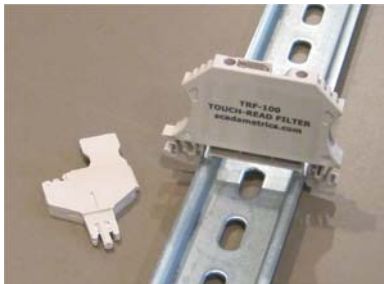


Application Note 010  
Version 001  
19 Feb 2010

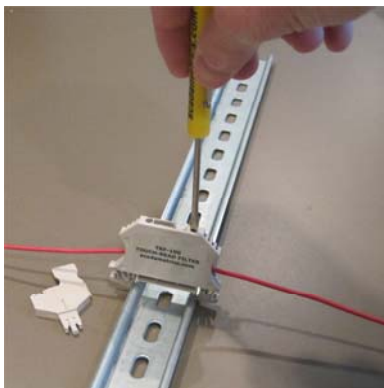
## Touch-Read Filter (TRF-D) Wiring Procedures.

The TRF-D is used to allow a meter to be concurrently connected to both a Touch-Read device and a “3-wire” meter-reading device. Examples of a 3-wire meter-reading device include the EtherMeter plus many 3<sup>rd</sup>-party AMR radio-read devices.

This document details the wiring procedures for the TRF-D “Touch-Read Filter”.



1. Remove the Plug-In Filter from the Din-Rail Base of the TRF-D, and set it aside.



2. Locate the red wire that is attached to the touch-read pad.
3. Cut the wire at the desired filter location, and strip away 0.25 inch of insulation from each end of the wire, exposing 0.25 inch of inner conductor.
4. Insert the stripped end of each wire into the two (2) terminal slots of the TRF-D's Din-Rail Base.
5. Using a SCADAmetrics screwdriver, tighten both screws. The wires should be held firmly in place.



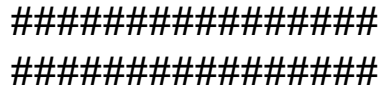
6. Re-insert the Plug-In Filter into the Din-Rail Base.
7. Ensure that the Plug-In Filter is fully inserted. When properly inserted, the Plug-In Filter should ‘snap’ into place.

**ETHERMETER-100**  
**PATENT PENDING**  
**MAC ID:**  
**00-1D-C8-nn-nn-nn**

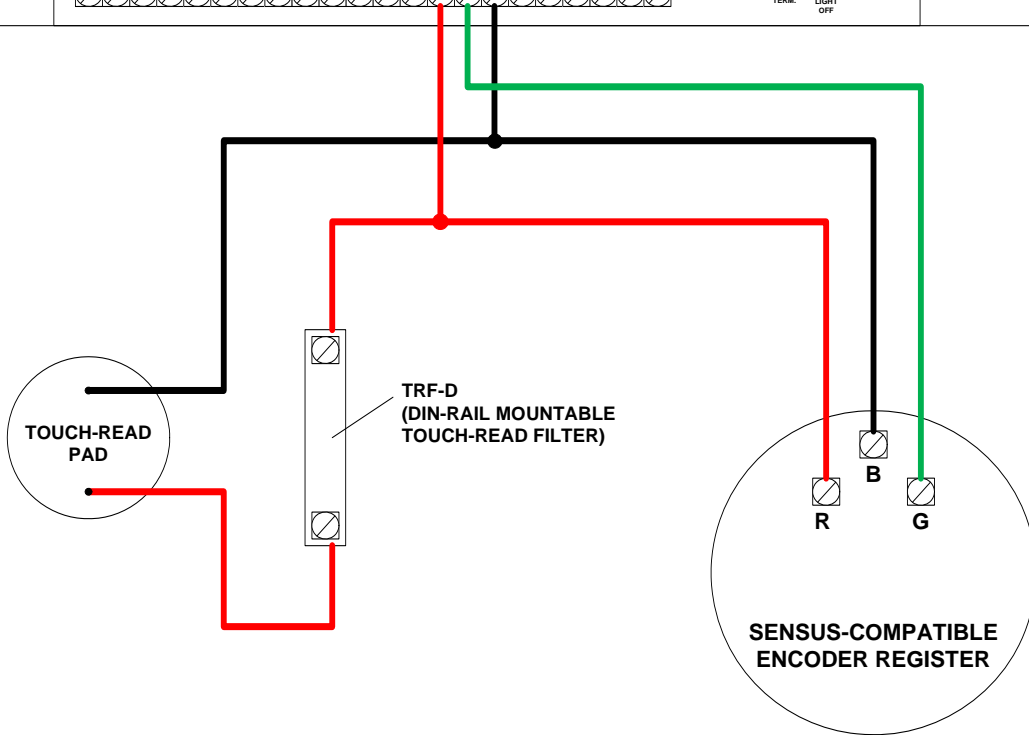
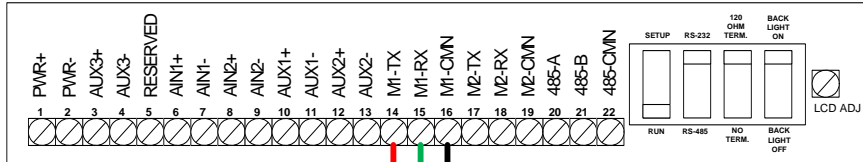
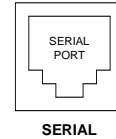
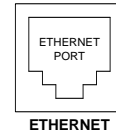
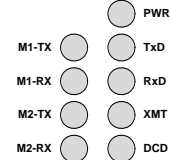
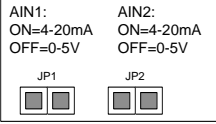
FLASH PROGRAMMING HEADER  
 (INTERNAL)



LCD DISPLAY



(INTERNAL)



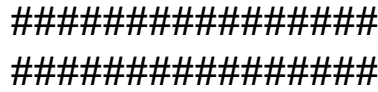
**PARALLEL TOUCH-READ HOOKUP FOR  
 SENSUS-COMPATIBLE FLOW METER REGISTERS**

**ETHERMETER-100**  
**PATENT PENDING**  
**MAC ID:**  
**00-1D-C8-nn-nn-nn**

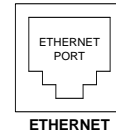
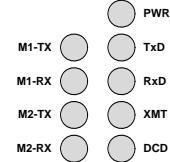
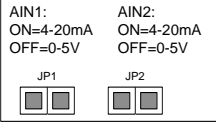
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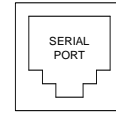
LCD DISPLAY



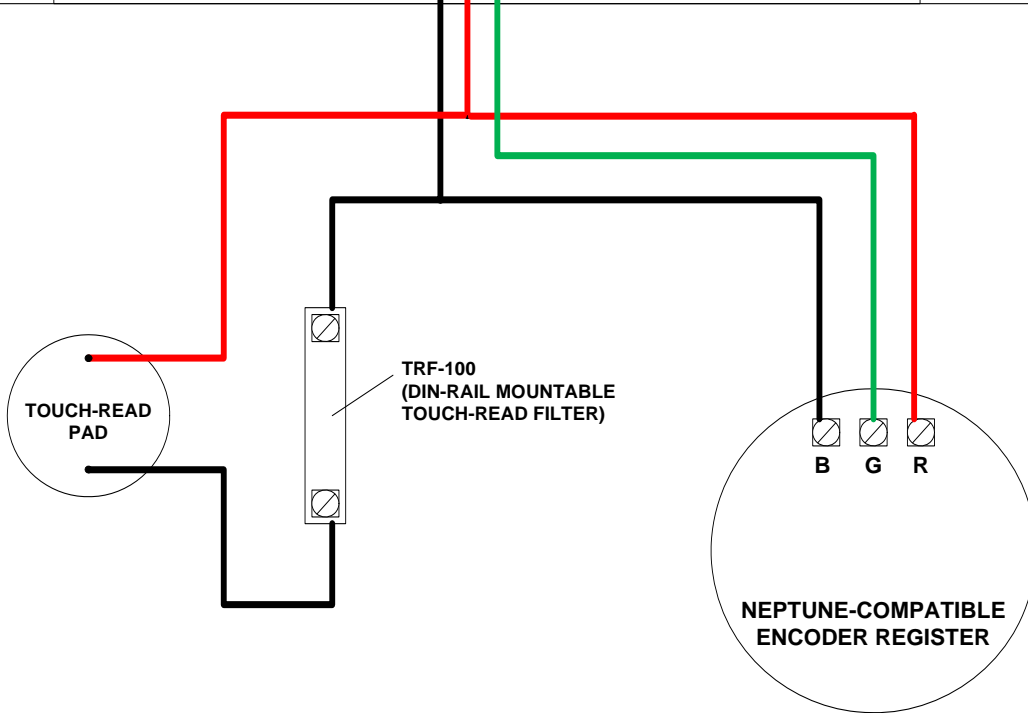
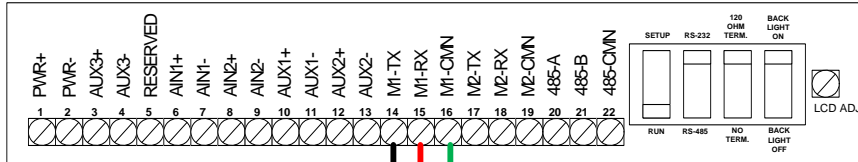
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ETHERNET



SERIAL



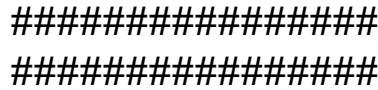
**PARALLEL TOUCH-READ HOOKUP FOR  
 NEPTUNE-COMPATIBLE FLOW METER REGISTERS**

**ETHERMETER-100**  
**PATENT PENDING**  
**MAC ID:**  
**00-1D-C8-nn-nn-nn**

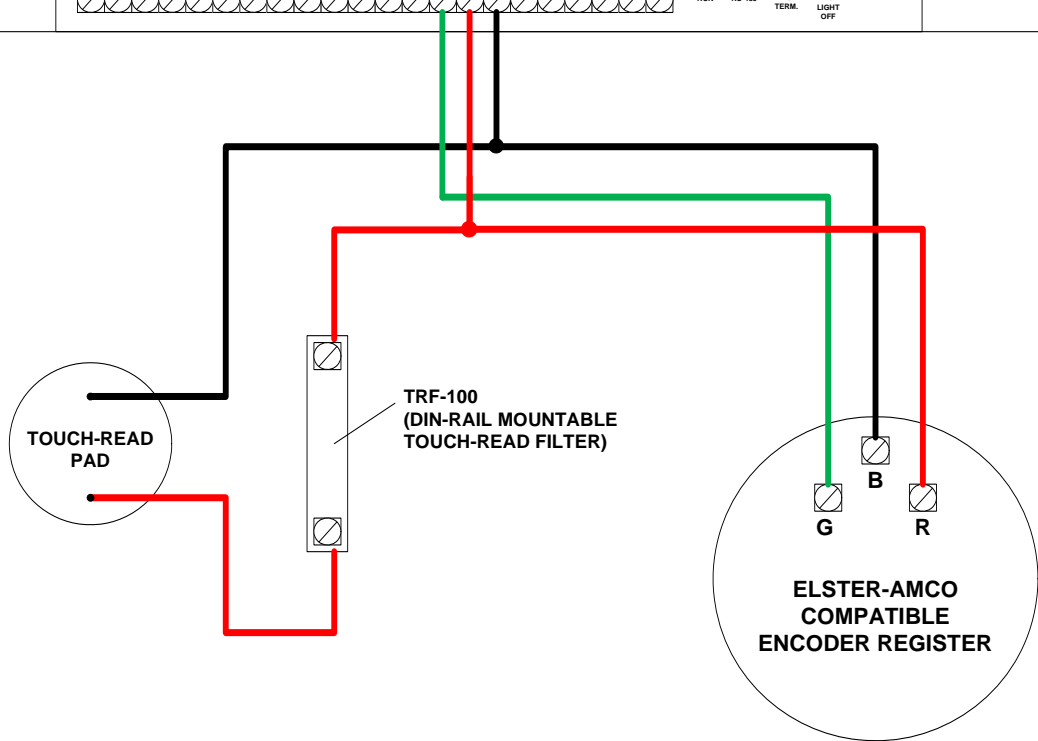
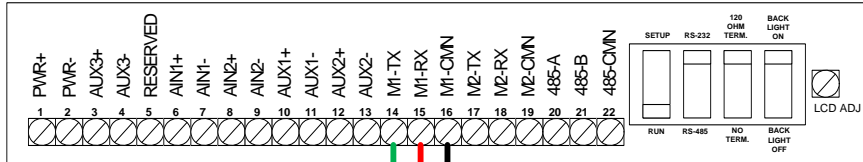
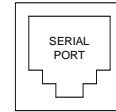
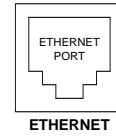
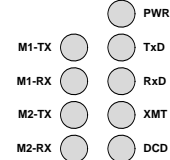
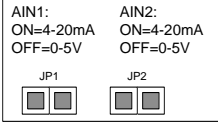
FLASH PROGRAMMING HEADER  
 (INTERNAL)



LCD DISPLAY



(INTERNAL)



**PARALLEL TOUCH-READ HOOKUP FOR  
 ELSTER/AMCO/ABB/KENT-COMPATIBLE FLOW METER REGISTERS**