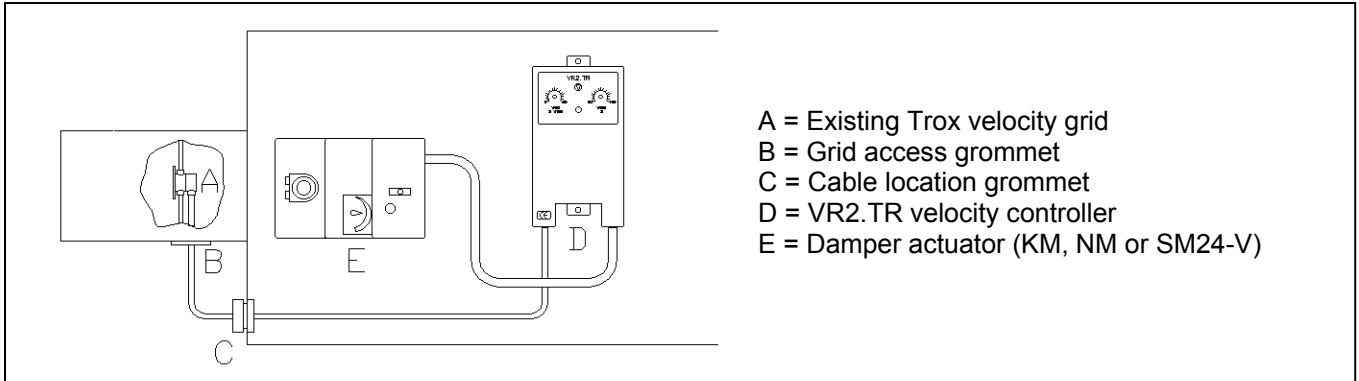
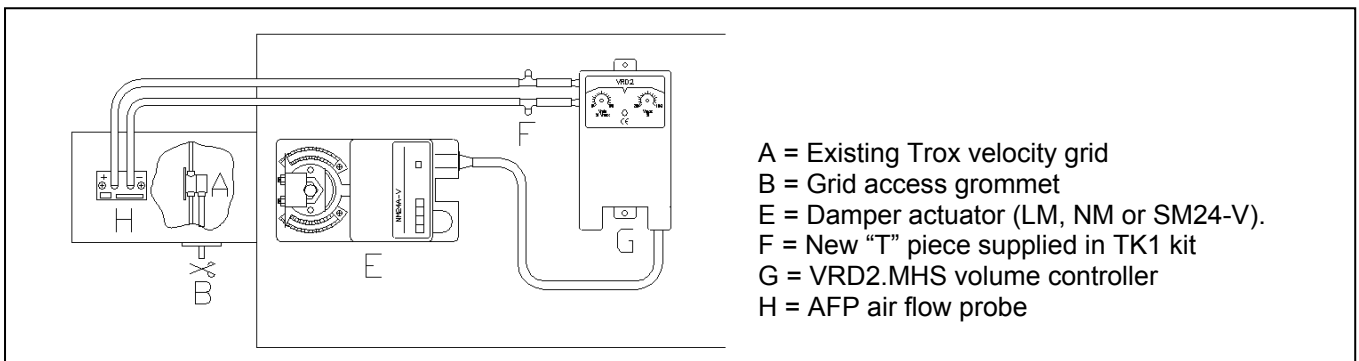


The Belimo range of VR2.TR velocity controllers has been discontinued. When an existing VR2.TR velocity controller is found to be faulty it will be necessary to replace it with a new VRD2.MHS volume controller, AFP air flow probe and TK1 tubing kit.

Old unit – VR2.TR



New unit – VRD2.MHS



1. Isolate 24V power.
2. Disconnect existing VR2.TR velocity controller (**D**) (make a note of the connection details i.e.- all cable colours / terminal numbers).
3. Unplug the existing motor cable from the VR2.TR velocity controller.
4. Cut the velocity sensor cable as it enters the ductwork, just before the grid access grommet (**B**). The grommet may be hidden under a metal protection plate wrapped around the front of the VAV box, if this is the case then cut the cable tight to the metal plate.
5. Remove the VR2.TR velocity controller.
6. Measure the diameter of the primary ductwork connection, alternatively the box size will be printed on the Trox original calibration sticker.
7. Fit the appropriate size AFP air flow probe (**H**) ensuring it is inserted in the primary inlet duct at least 150mm from the front end of the VAV unit, this will ensure you avoid the original internal Trox flow grid (**A**). Be sure to take note of the direction of air flow printed on the AFP sticker.
8. Fit the new VRD2.MHS volume controller (**G**), the screw holes from the old VR2.TR velocity controller can be used. (If the volume tube connections are obstructed in any way the unit may need to be remounted in a more suitable position).
9. Rewire the new VRD2.MHS volume controller (it is wired in exactly the same way as the old VR2.TR velocity controller).
10. Plug in the existing VAV damper actuator (ensure it is a -V actuator to ensure full compatibility).
11. Using the TK1 tubing kit (**F**) connect the VRD2.MHS to the AFP airflow probe. Make sure the tubes are connected correctly at both ends the (+) connections should be made in the RED tube and the (-) connections should be made in the BLUE tubes.
12. The VRD2.MHS will require airflow calibration to ensure its correct operation.

NOTE:- You will require a new damper actuator, airflow probe and tubing kit with each new VRD2.MHS volume controller installed. If the existing temperature controls are manufactured by Staefa you will need to use the VRD2L.MHS volume controller which has a 0-20V phase cut input terminal.