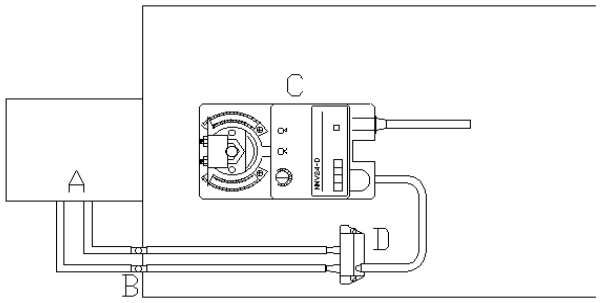
NMV-D3-MP.MHS

Replacing a NMV24-D compact controller with a NMV-D3-MP.MHS

Data Sheet
11.07

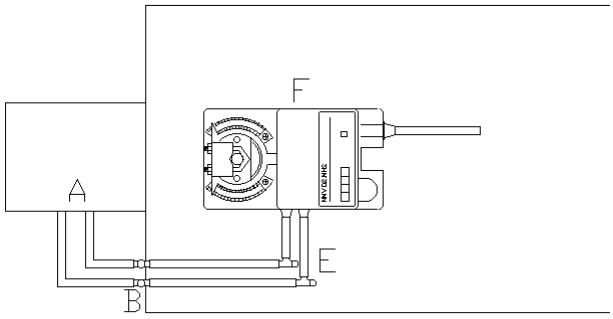
The Belimo range of NMV24-D compact controller has now been discontinued. When an existing NMV24-D is found to be faulty it will be necessary to replace it with a new NMV-D3-MP.MHS compact controller and TK1 tubing kit.

Old unit – NMV24-D



A = Existing flow cross
B = Existing elbow or "T" piece (may not be fitted).
C = NMV24-D volume controller.
D = NMV24-D remote volume sensor.

New unit – NMV-D3-MP.MHS



A = Existing flow cross
B = Existing elbow or "T" piece (may not be fitted).
E = New "T" piece supplied in TK1 kit.
F = NMV-D3-MP.MHS remote volume sensor.

1. Isolate 24V power.
2. Disconnect existing NMV24-D volume controller **(C)** (make a note of all cable colours / numbers).
3. Remove velocity tubes from volume sensor **(D)**, be sure to identify the (+) and (-) tubes.
4. Remove the NMV24-D volume controller and velocity sensor.
5. Mount the new NMV-D3-MP.MHS volume controller **(F)** on damper spindle. Be sure to check the alignment of the controller on the spindle. To align the controller correctly turn the damper spindle to the closed position then push the clutch on the controller, rotate fully in the same direction then tighten the "U" bolt assembly. Some dampers rotate less than 90°; check the rotation stops on the old controller and if necessary set accordingly.
6. It will be necessary to replace the anti-rotation bracket on some of the earlier NMV24-D controllers, the replacement bracket is supplied with the new NMV-D3-MP.MHS controller.
7. Rewire the new NMV-D3-MP.MHS volume controller (it is wired in exactly the same way as the old NMV24-D volume controller).
8. Extend the existing volume tubes using a TK1 tubing kit and connect directly into the NMV-D3-MP.MHS. Make sure the tubes are connected correctly at both ends, the (+) connections should be made with the RED tube and the (–) connections should be made with the BLUE tube.
9. If no "T" pieces **(B)** are fitted in the existing tubes, fit the "T" pieces supplied in the TK1 tubing kit **(E),** you will need these for airflow calibration.

The NMV-D3-MP.MHS needs to be pre-programmed prior to fitting. The NMV-D3-MP.MHS calibration data sheet (11.06) is available to complete if you want MHServices to pre-program the device. Please contact us for more information or to receive a copy of data sheet 11.06.

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