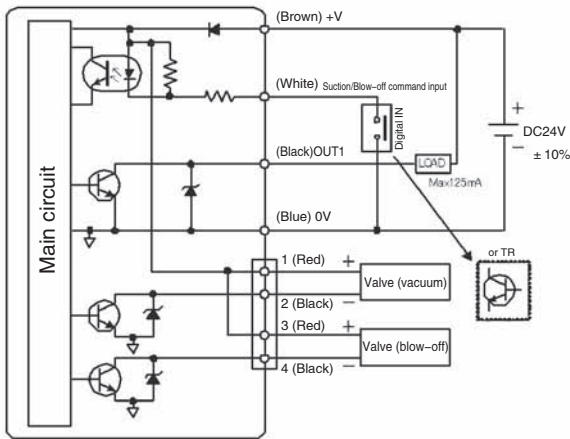
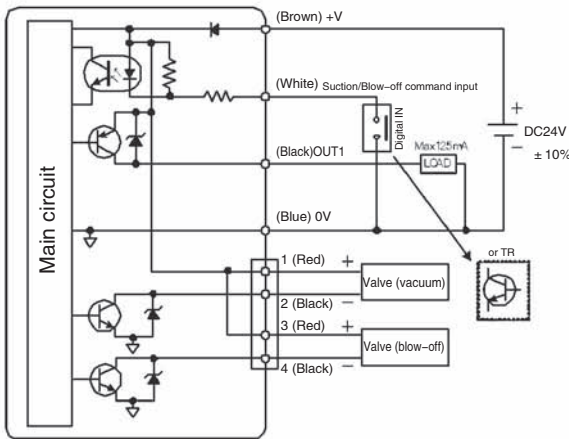


Internal circuit

NPN output

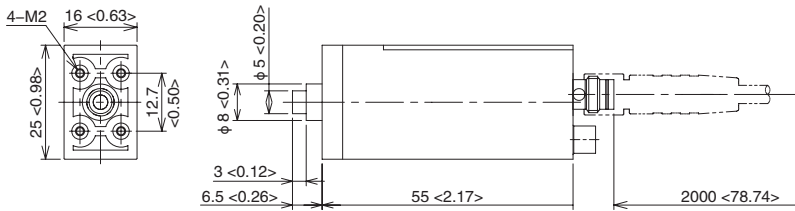
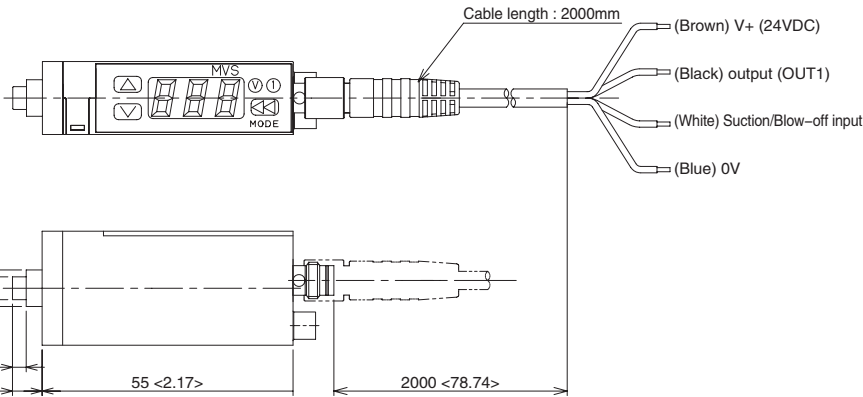
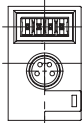
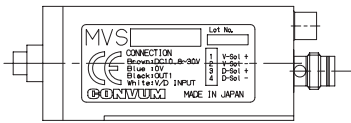
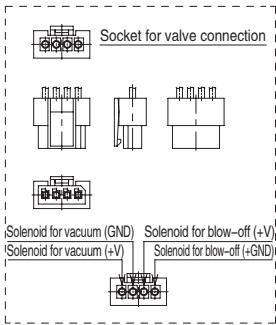


PNP output

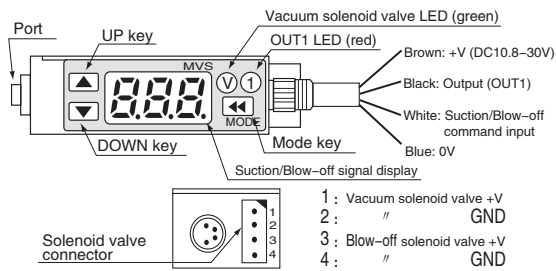


Dimensions

Unit : mm <inch>



Display description

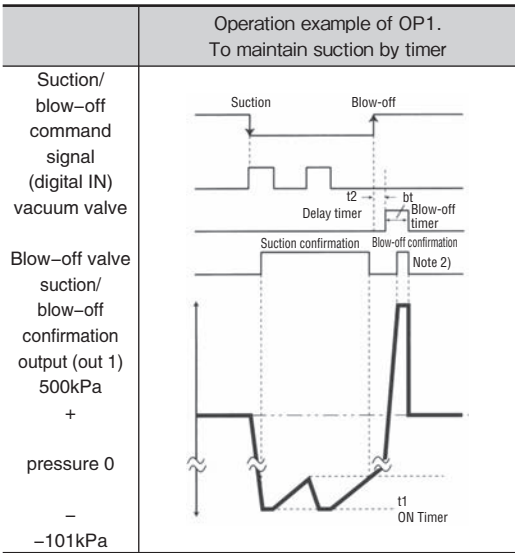


Function description

Input signal only needs to be applied to suction demand as blow-off will be done automatically. Suction command signal turns on the vacuum solenoid valve to generate vacuum so that suction can be started. When it turns off, the blow-off solenoid valve turns on automatically and start to blow-off. The following 3 modes of vacuum solenoid valve and blow-off solenoid valve can be switched by operating the panel key.

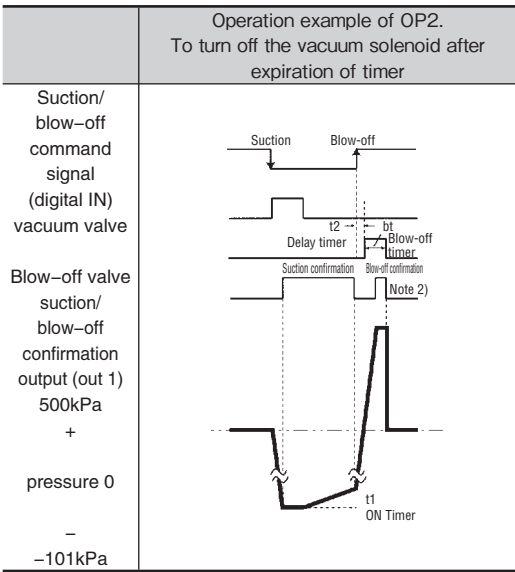
■ CONVUM energy-saving mode (Suction mode 1)

Digital input (suction demand signal) turns on the vacuum solenoid valve to generate vacuum so that suction can be started. Upon reaching the assigned vacuum volume, vacuum solenoid valve turns off. Thereafter, when vacuum decreases below the assigned vacuum volume, vacuum solenoid valve will turns on again. Vacuum solenoid valve subsequently turns on/off repeatedly until digital input was turned off. When digital input was turned off, blow-off solenoid valve turns on and start to blow-off. By monitoring vacuum pressure as described above, air consumption will be dramatically reduced because air supply is no longer required during the time when pressure was holding at the assigned pressure volume.



■ CONVUM timer off mode (Suction mode 2)

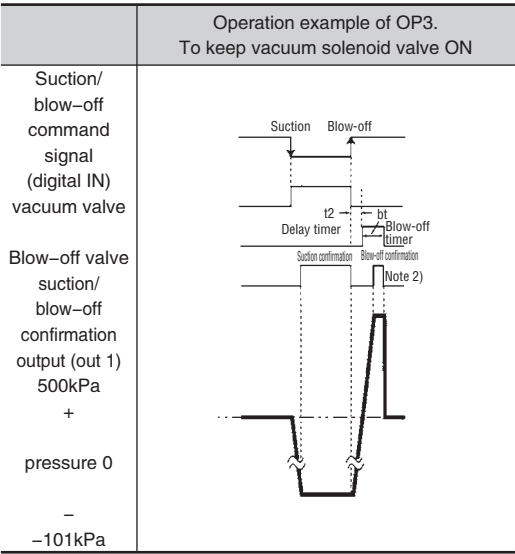
Digital input (suction demand signal) turns on the vacuum solenoid valve to generate vacuum so that suction can be started. Once OUT1 becomes ON upon reaching the assigned vacuum volume, vacuum solenoid valve turns off. On this mode, the vacuum solenoid valve does not turn on again regardless of the value of vacuum pressure. Digital signal turns off the vacuum solenoid valve, the blow-off solenoid valve turn on and start to blow-off.



Note 1) In the OUT1, the determination of the suction and blow-off confirmation will be accomplished by taking the AND between the suction command and blow-off command.
Note 2) With automatic blow-off function. (automatic function delivers if bt lasts longer than 9.99sec)
Timer initial value: t1=0.3sec t2=0sec bt=2.0sec

■ CONVUM vacuum solenoid valve keeping ON mode (suction mode 3)

Suction command signal turns on the vacuum solenoid valve to generate vacuum so that suction can be started.
Upon reaching the preset vacuum, OUT1 becomes ON. Vacuum solenoid valve remains ON regardless of the value of vacuum pressure.
Digital signal turns off the vacuum solenoid valve, the blow-off solenoid valve turn and start to blow-off.



■ Setting method

Please refer to the instruction manual for details.