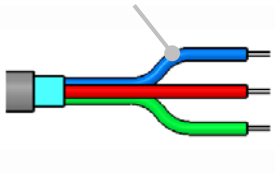
Monitored Ball Valve Ignition Interlock Wiring Examples

All Monitored Ball Valves are supplied with shielded, marine grade 3-core cable



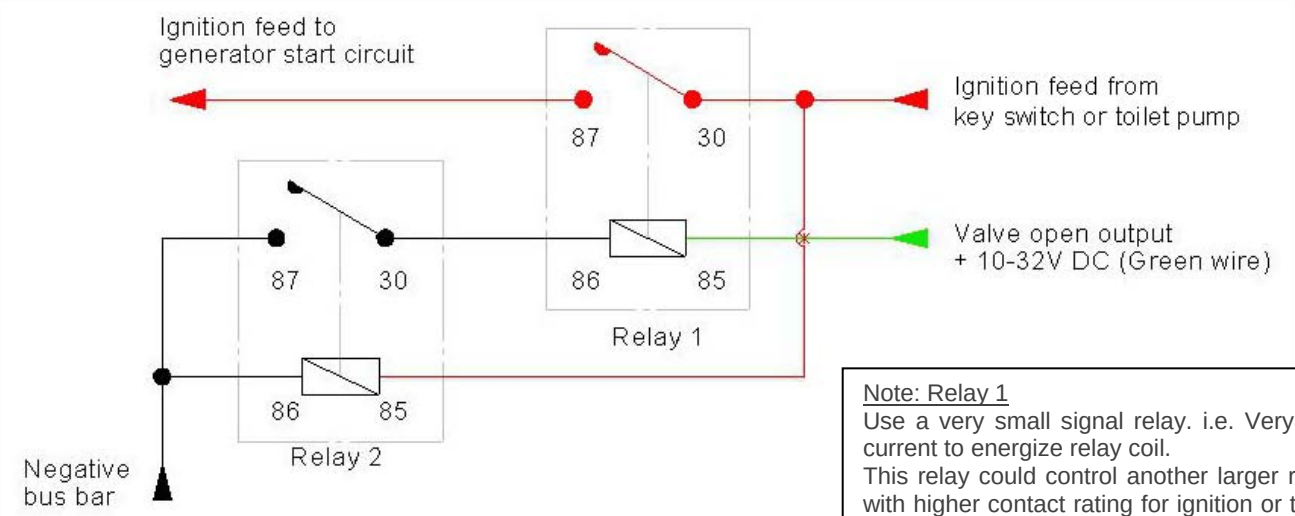
BLUE	=	Valve closed
RED	=	Supply (10-32V)
GREEN	=	Valve open

The options below show how to wire a Monitored Ball Valve to disable the ignition sequence. This prevents engine damage caused by lack of water coolant entering the engine because the intake Ball Valve is closed. This can also be used to stop an electric toilet pump from actuating when the monitored Ball Valve is closed.

This wiring can also be done in parallel with the Tru-Design Seacock Monitor Panel to provide added security and monitoring.

OPTION 1

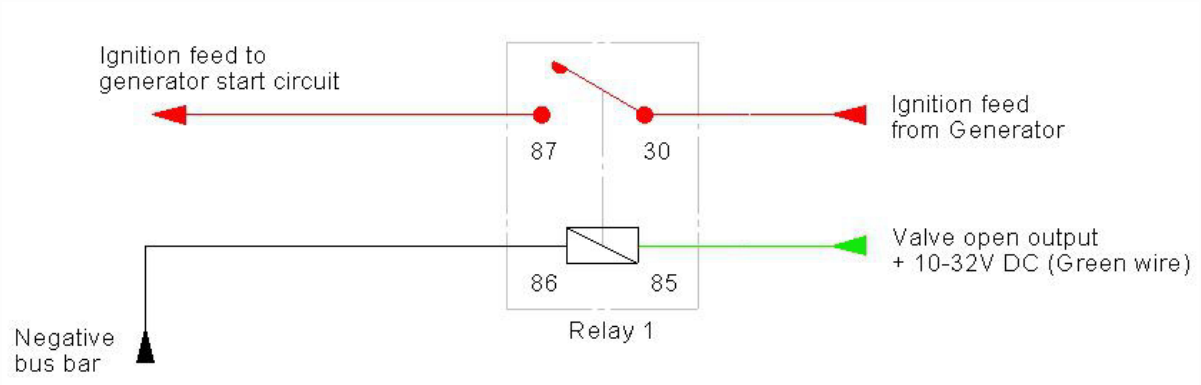
In this option relays will only run when ignition is on and valve is in open position



Note: Relay 1
Use a very small signal relay. i.e. Very low current to energize relay coil.
This relay could control another larger relay with higher contact rating for ignition or toilet pump control

OPTION 2

In this option relay 1 will run continuous while valve is in open position



Wiring Diagram for Tru-Design Seacock Monitor Panel