WebBrick 8SSR-Driver™

High Current, Low Voltage

WebBrick Systems Product Data Sheet

Part No. WD 08 LV

Features

- High current capability for low voltage actuators
- 8 separately controllable solid-state relays
- Normally open contacts
- Inputs optically isolated from contacts
- Connects directly to a WebBrick Controller™
- Contacts capable of switching DC or AC
- No external power required for operation
- Low quiescent current
- 70mm wide DIN rail housing with rising-clamp plug-in connectors.

Applications

- Heating Zone control
- For use where optical-isolation from WebBrick Controller is necessary
- Boosting output capability of WebBrick Controller.

Installation Notes

- The WebBrick 8SSR-Driver's inputs are driven directly from WebBrick Controller's digital outputs although other outputs can be used if set-up correctly.
- Any or all of ground connections must be connected to the WebBrick Controller's ground; all 4 ground connections are commoned inside the WebBrick 8SSR-Driver.
- Analogue outputs can be used if set to the fastest fade rate and only 0 and 100% settings are used
- Mimic outputs can be used on either 5V of 12V levels and provided the fastest fade rate and only maximum and minimum levels are used.
- At the "Contact" side, the common (C) is connected to one side of all the output "contacts" and this is where the live power to the valves etc is normally wired, see Fig 1.
- The contacts 1-8 are normally connected to each of the live sides of the heating valves to be controlled and a ground link taken from the valve to the power supply's ground, see Fig 2.

WebBrick 8SSR, LV

Alert

When choosing valve actuators, it is important to allow for a peak load in the region of 160% of the label rating of the actuator. It has been found that, amongst others, hot-wax actuators rated at 3W can initially take as much as 4.8W. It is the installer's responsibility to ensure the rating of the selected 8SSR is capable of taking the actuator's peak load.

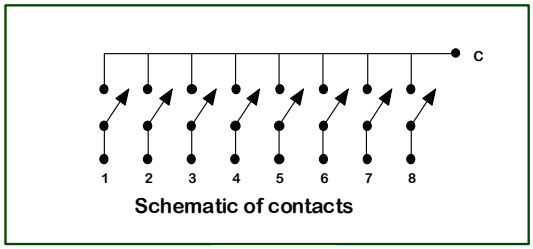

Fig 1.

Specification

WD 08 LV

- Input signal between +5V and +12V DC WRT ground to energise its respective relay
- Maximum input current draw, 20 mA @ +12V
- Inputs have common ground connection
- 500mA maximum current through each of the contacts
- Output contacts rated for AC 60V RMS or 60V DC maximum

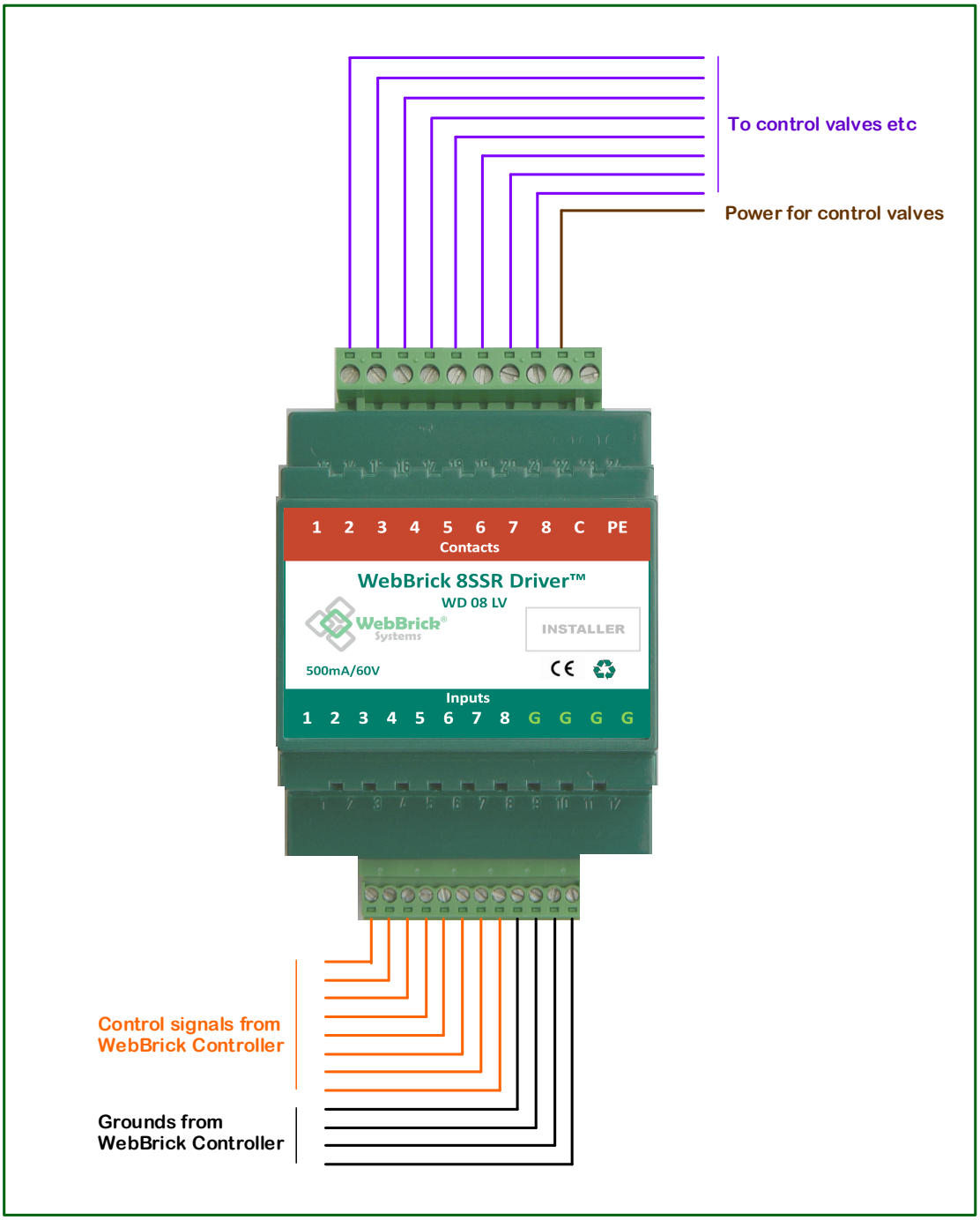

Fig 2. Connections, Protective earth not required on low voltage version.