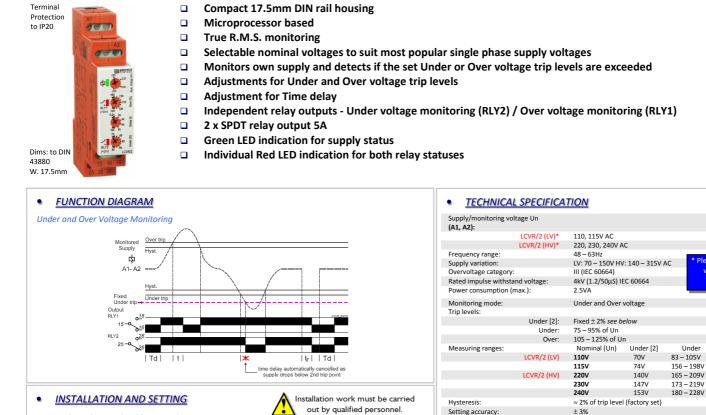


Type: LCVR/2 **Under and Over Voltage plus Time Delay**



- BEFORE INSTALLATION, ISOLATE THE SUPPLY,
- Connect the unit as required. The Connection Diagram below shows a typical installation, whereby the supply to a load is being monitored by the Voltage monitoring relay. If a fault should occur (i.e. fuse blowing), the relay will de-energise and assuming control of the external Contactor, de-energise the Contactor as well.

Applying power.

- Set the "Nominal (Un)" 4 voltage selector to match that of the voltage being monitored.
- Set the Over %" 😉 adjustment to maximum and the "Under %" 🕖 adjustment to minimum. Set the "Delay (t)" 3 to minimum
- . Apply power and the green "Power supply" 1 LED will illuminate. Both the red "RLY1" 2/"RLY2" 8 LED's will illuminate and corresponding RLY1 and RLY2 relays energise after the short Power on delay (Td).
- Refer to the Troubleshooting table if the unit fails to operate correctly

Setting the unit (with power applied).

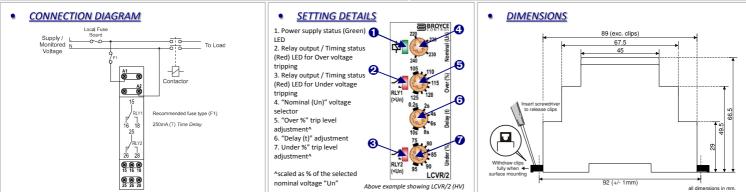
- Set the "Over %" and the "Under %" adjustments to give the required monitoring range.
- If large supply variations are anticipated, the adjustments should be set further from the nominal voltage. Set the "Delay (t)" adjustment as required. (Note that the delay is only effective should the supply increase above or drop below the set trip levels. However, if during an under voltage condition the supply drops below the 2nd under voltage trip level, any set time delay is automatically cancelled and both relays de-energise immediately)

Troubleshooting.

The table below shows the status of the unit during a particular fault condition.

Supply fault	Green LED	Red LED	Red LED	Relay RLY1	Relay RLY2
Under voltage condition (during timing)	On	On	Flashing	Energised	En for delay (t)
Under voltage condition (after timing)	On	Off	Off	Energised	De-energised
Over voltage condition (during timing)	On	Flashing	On	En for delay (t)	Energised
Over voltage condition (after timing)	On	Off	On	De-energised	Energised
Supply < fixed under trip level [2]	On	Off	Off	De-energised	De-energised







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The Information provided in this literature is believed to be accurate (subject to change without prior notice); however, use of such information shall be entirely at the user's own risk.

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