



**Sensors**



**Switches**



**Controls**

## Application notes



**Application Note : October 2017**

**Market involved : Oil & Gas**

**Product : DUB72D724EX**

**Customer : Control System Integration and Automation**

**Subject : Protection against "Brownout" conditions**

### CUSTOMER ISSUE :

The customer has a specific need for a Low Voltage Disconnect (LVD) product, which would provide protection against "Brownout" conditions where the incoming voltage fluctuates around the threshold voltage of the PLC or RTU.

In that situation, sometimes the device loses its memory or experiences other undesirable issues.

The requirement is to have an LVD device able to switch 20 amps, rated for Class 1 Div. 2, with a settable trip point between 8-30 VDC, that can accept 10 gauge wires and ideally has a secondary set of Alarm contacts which can be set to trip above the disconnect point.

### OUR SOLUTION :

We can now offer the DUB72D724EX which includes all the listed customer requirements:

The DUB72 has 2 setpoints and 2 relay outputs. They can be used as pre-alarm and alarm.

One of the outputs is a 20 A relay. The device is Class 1, Division 2 certified.

### BENEFITS :

- The functions, previously carried out by wiring 2 DUA relays and an additional 20 A relay, are now provided by a single compact device
- No need to put the above system into a sealed enclosure to comply with hazardous location installation restrictions