

6.2 Digital Output modules

The single channel Digital Output (DO) module range enables on/off devices in a hazardous area to be controlled from the safe area. Some units are loop powered while others enable solid-state switching by providing independent power supplies.

6.2.1 MTL4521/MTL4521L - Solenoid Alarm driver

Single channel, loop powered, IIC

The MTL4521 and MTL4521L are loop-powered modules that enable a device located in the hazardous area (IIC gas group) to be controlled from the safe area. They can both drive up to 48mA into a certified intrinsically safe low-power load, as well as non-energy-storing simple apparatus such as an LED. The only difference is that the MTL4521L has a lower current safety description i.e. 108mA instead of 147mA.

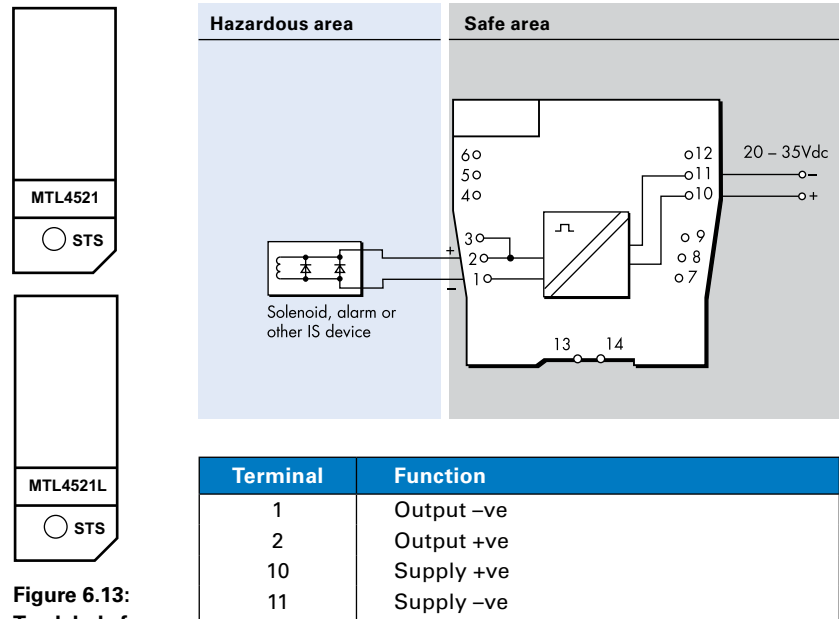


Figure 6.13:
Top labels for
MTL4521 &
MTL4521L