

ElNet LT Energy & Powermeter has as default 1 Digital Output and 2 Digital Input connections at its back side (additional IO can be implemented by using additional external modules).

Digital Output:

The Digital Output of the LT can be used to transmit pulses of energy to external BMS controller (chapter 4.6) or to close contact upon alarm (chapter 5.4.3) which can be defined in the LT (cannot be used for both simultaneously). The Digital Out closes contact of SSR between pins 4 and 5, the maximum load is 150mA.

Digital Inputs:

In order to change the status of the Digital Inputs of the LT a 220 VAC contact must be provided. The indication voltage should be supplied from one of the measured phases. The digital inputs can be monitored by communication and appear at the communication list.

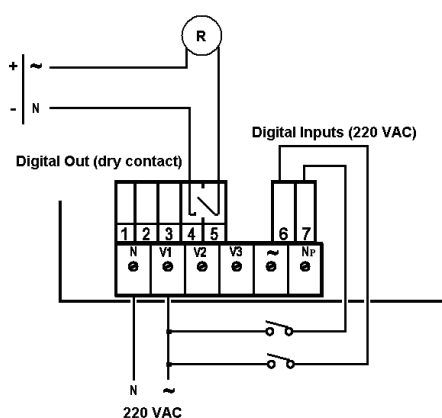


Figure 2.5 Digital In \ Digital Out wiring example

4.6 — Setting energy pulse out

The digital output (chapter 2.5) can be used as a pulse output, each pulse equivalent to pre define energy consumption value, in order to set the pulse output - See Section 4.0 for instructions to arrive at the **Technical Menu**.

From Technical Menu:

- 1 Scroll to **SET ENERGY PULSE**
- 2 Click “ENTER”.
- 3 If the Digital Out was defined to be used for alarm the following message screen will appear

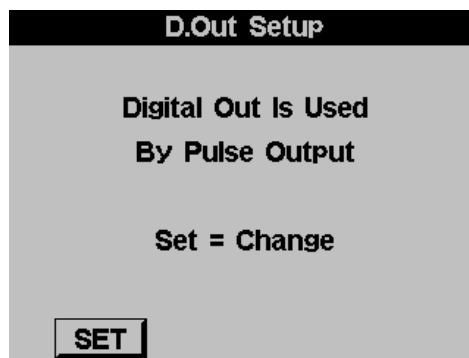


Figure 4.8 Changing Digital Out usage

- 4 Click SET (F1) to access the change mode and click again SET (F1) in order to change between alarm mode to energy pulse out mode.
- 5 The **SET ENERGY PULSE** screen appears:

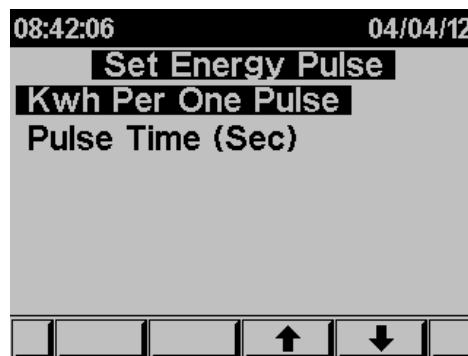


Figure 4.8 Set Energy Pulse

- 3 In order to set the KWH value pre pulse scroll to KWH Per One Pulse and click "ENTER".
- 4 In order to define how wide is the pulse scroll to Pulse Time and click "ENTER".
- 5 Please note that while you are using the output for energy pulse usage you cannot use the same output for alarms.