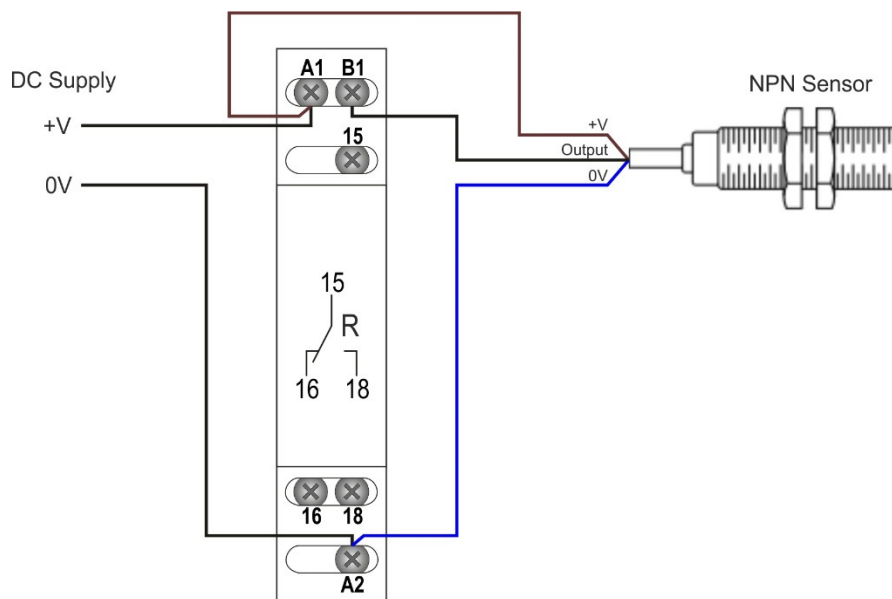


SUPPLEMENTARY PRODUCT INFORMATION

| | |
|----------------------|---------------------------------|
| Subject | Connecting an NPN Sensor |
| Product(s) | LMMT |
| Document Date | 24 th September 2021 |
| Version | 1.0 |

This information is provided in addition to any existing literature that exists for the above product(s) and should be read in conjunction with the original product data sheet.

The diagram below shows a typical wiring example where the NPN sensor is connected to an **LMMT** Multi-function timer. Standard 3-wire NPN sensors have a voltage rating usually between 10...30V DC. The **LMMT** can be powered from 12V DC upwards therefore the arrangement below can be used in either 12V or 24V DC applications.



P48SRR & P48SMP Replacement

The above example can be used as an alternative to the P48SRR and P48SMP Relays. *It must be noted that the LMMT itself is unable to provide a DC supply to power the sensor. The sensor is therefore powered by the same supply to the timer.*

Setting the LMMT should be as follows:

| Product | LMMT Function Setting | LMMT Relay operation |
|---------------|--|--------------------------------------|
| P48SRR | Switch initiated Delay Off (DN) | Energised whilst receiving pulses |
| P48SMP | Switch initiated Delay On (DOb) | De-energised whilst receiving pulses |