



PARROT SYSTEM TYPICAL WIRING



The Marchwood PARROT system consists of a series of modules that are designed to replace "hard wire".

The system is made up of "parroted" (paired) Transmitter and Receiver units that are DIN rail mounted.

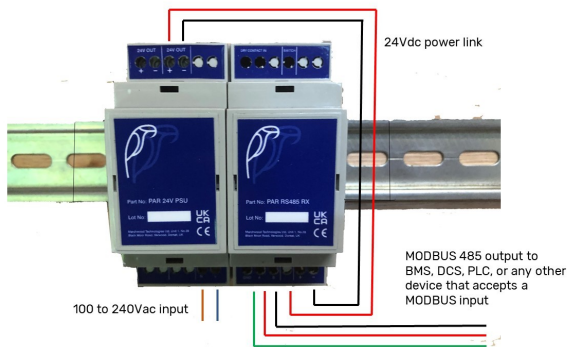
ANY dry contact input or 4-20mA input is transmitted to the receiver. The receiver output is the same as the transmitter input.

The 4-20 mA transmitters are "loop" powered and can use the same supply as the transducer they are connected to.

The 4-20mA receivers require a 24vdc power supply. This is provided by the Parrot 24vdc power supply.

The volt free transmitter and receiver modules require 24 vdc power form a Parrot Power unit.

The RS485 receiver also requires 24vdc form a Parrot power unit.



WIRING

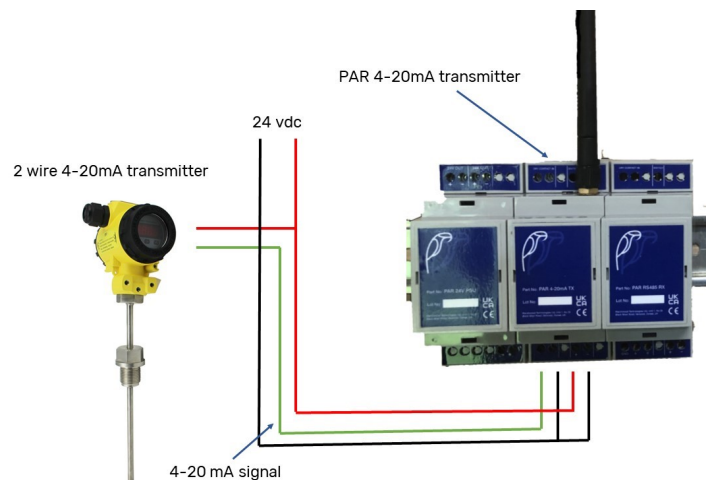
The volt free (dry) contacts are by definition, voltage free. Any volt free contact, either normally open or normally closed can be connected to a PAR VF transmitter. The transmitter will "Parrot" the information to the Receiver.

It is possible to have the relays in the receiver either normally energised or normally de-energised enabling the system to be used in the "fail safe" mode.

WIRING

Left is a Parrot power supply connected to a Parrot 485 receiver. The information from up to 25 off Par 4-20 units can be received. Please note the 3 wire MODBUS connection to any suitable processor.

As shown below, when connecting a 2 wire 4-20mA transducer either the transducers own power supply can be utilised or use a Parrot power supply module (check transducer current requirements)



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