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PLEASE SCAN
FOR DETAILED INFORMATION
AND
PC3 SERIES USER MANUAL

PRS-QIG-PC3-EN-Rev.00-04.2024



SPECIFICATIONS

Electrical Specifications:

Input Voltage Range	12 to 24VDC (24VDC nominal)
Max Power	Max 5 Watts. at 24VDC
Current output	1-22mA
Fault	1.0 - 3.5 mA (adjustable) (2mA default)
Warm-Up	1.0 - 3.5 mA (adjustable) (3mA default)
Inhibit	1.0 - 3.5 mA (adjustable) (3mA default)
Calibration mode	1.0 - 3.5 mA (adjustable) (3mA default)
Normal gas measurement	4.0 mA to 20.0 mA
Over range	20.0 - 22.0 mA (adjustable) (22mA default)
Under range	Fault signal (1.0 - 3.5 mA - adjustable)
Terminals	3 x and 2x terminals suitable for wire diameters 0.5 mm ² to 2.5 mm ² (20AWG to 13AWG). Use Copper Conductors Only!
Relays	Optional 3 x (1A 30VDC). Selectable normally open or normally closed (switch) and de-energized.
Communication	RS485, Modbus RTU

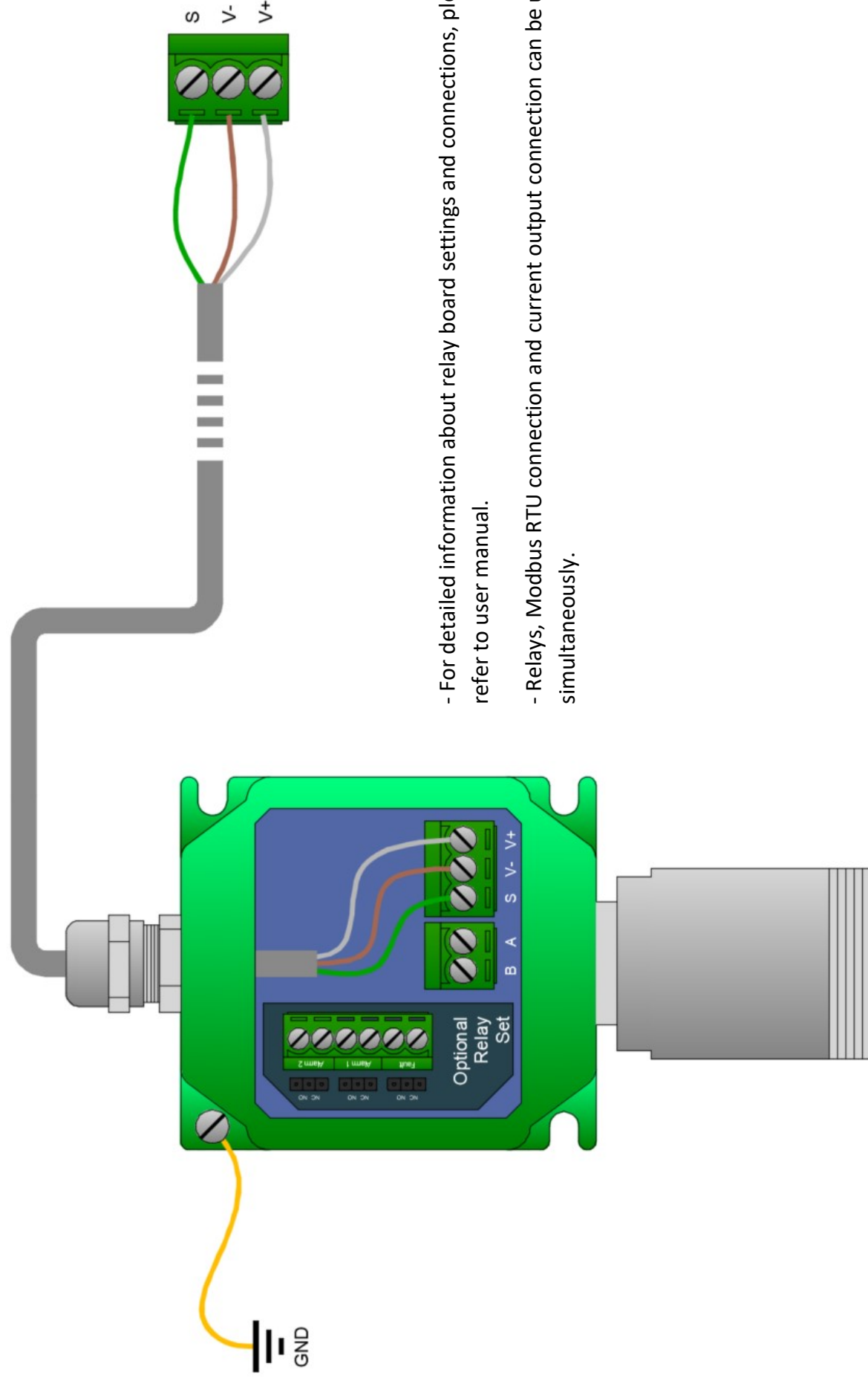
Environmental Specifications:

IP Rating	IP65 in accordance with EN60529:1992
Operating Temperature	-20°C to +50°C / -4°F to +120°F – For explosion protection
Operating Humidity	Continuous 20-90%RH (non condensing)
Operating Pressure	90-110kPa
Storage Conditions	-30°C to +70°C (-22°F to +158°F) Detectors must be re-calibrated if not installed more than 3 months
Operating Altitude	0-2500m
Use	Indoor and Outdoor

CURRENT OUTPUT CONNECTION

PC3 Detector

Panel / PLC / Controller



- For detailed information about relay board settings and connections, please refer to user manual.

- Relays, Modbus RTU connection and current output connection can be used simultaneously.

MODBUS RTU(RS-485) CONNECTION

PC3 Detector

Panel / PLC / Controller

