

# Installation Manual

RPS  
Sensor



## RPS Manual

Pressure Sensor

Ag/MIS/ImEn-2769-06/20 Rev 1.4

116820



# RPS Manual

## Installation Manual

Rev 1.4, 7/2023

Software Version: N/A

This manual for use and maintenance is an integral part of the apparatus together with the attached technical documentation.

This document is destined for the user of the apparatus: it may not be reproduced in whole or in part, committed to computer memory as a file or delivered to third parties without the prior authorization of the assembler of the system.

Munters reserves the right to effect modifications to the apparatus in accordance with technical and legal developments.

# 1 TRIO Installation

## 1.1 Wiring

TRIO RPS serves as a second static pressure sensor for the TRIO Controller. The following section details the installation.

TRIO supports up to two static pressure sensors, one built in and one external. Install the RPS in the second room.

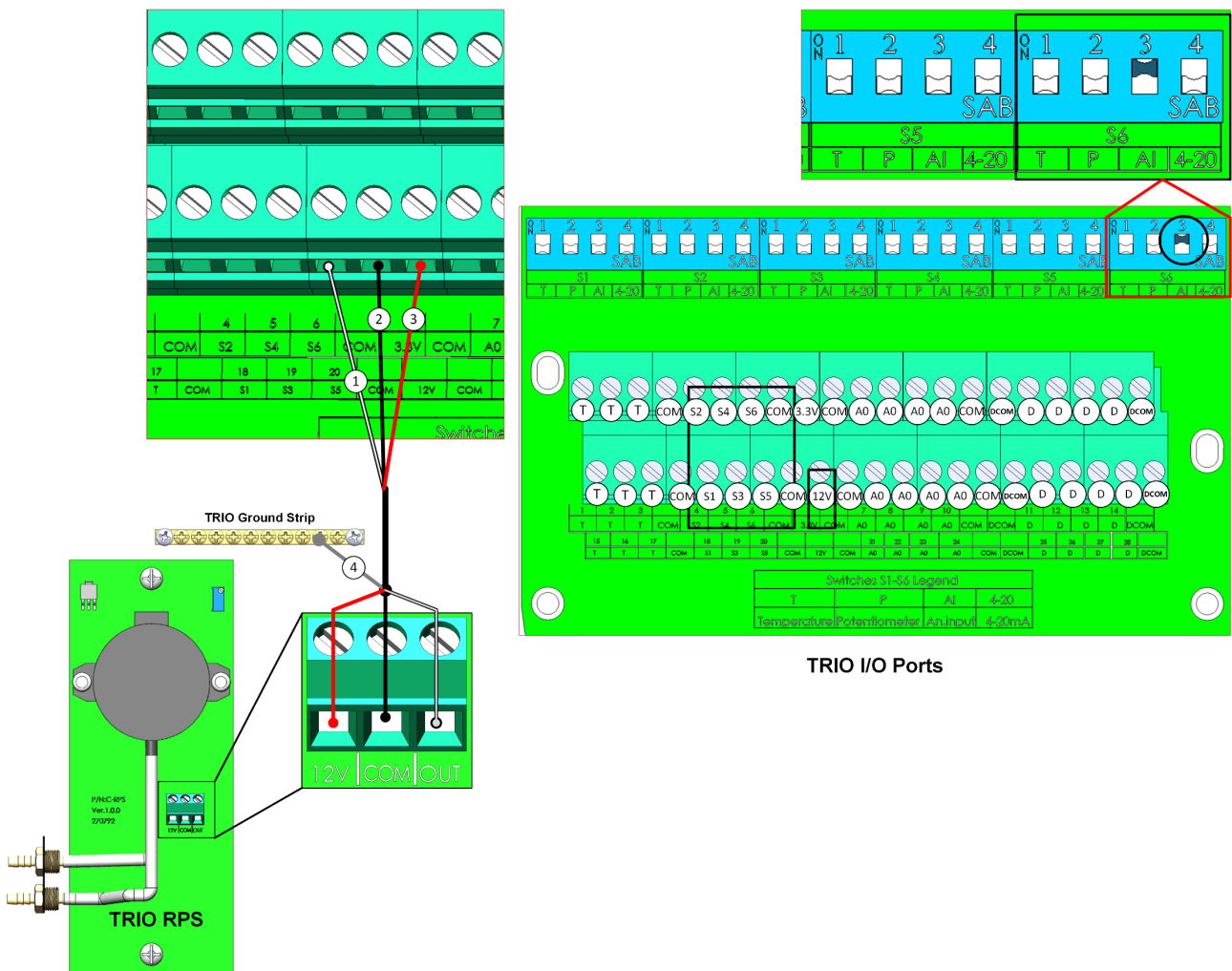


Figure 1: RPS Wiring

| Number | Function                                      |
|--------|---|
| 1      | S port. Raise the corresponding S3 dipswitch. |
| 2      | COM port                                      |
| 3      | 12V   |
| 4      | Shield wire                                   |

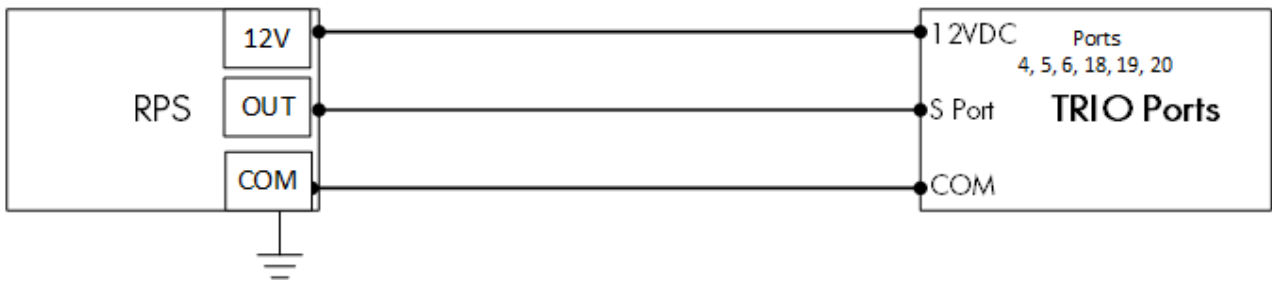


Figure 2: RPS Wiring Schematic

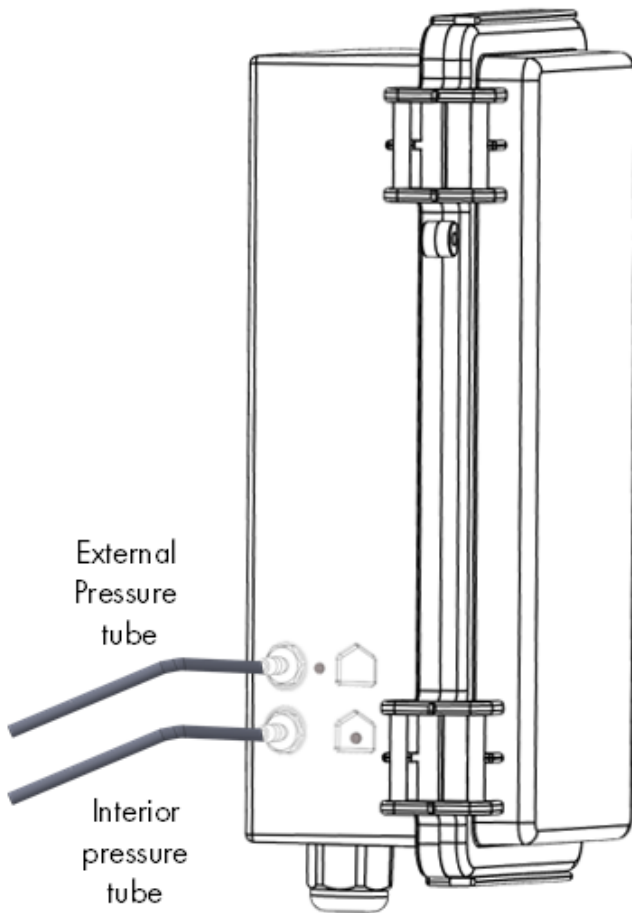


Figure 3: Static pressure tubes

NOTE After installing the RPS, no Cold Start is required.

## 1.2 Configuration

The following section details how to configure the RPS device. For further information on configuring devices and sensors in TRIO, refer to the TRIO manual.

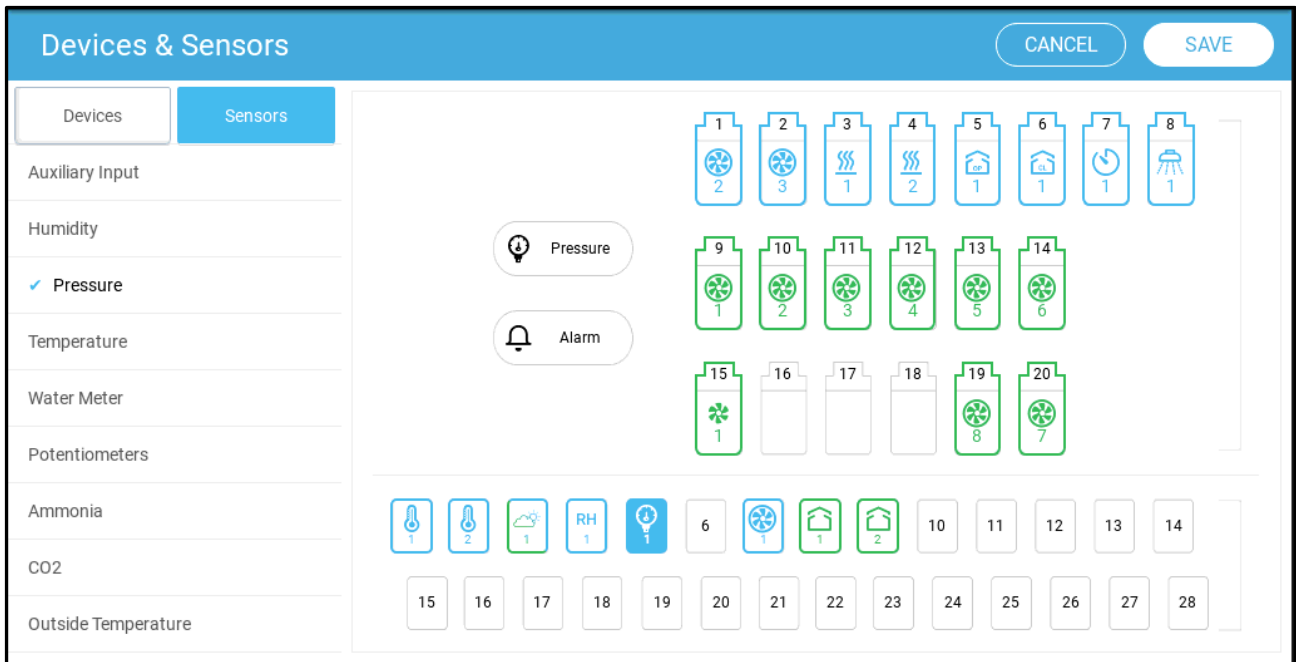
1. Go to System > Devices & Sensors.

2. Click . The Devices & Sensor screen appears.

3. Click .

4. Click Pressure.

5. Define an analog input port as the pressure sensor. In the following screen, ports 5 is defined as the pressure sensor.



6. Go to Climate > Static Pressure and define the parameters and settings (refer to the TRIO Manual for details).

# 2 Rotem One/Rotem Pro Installation

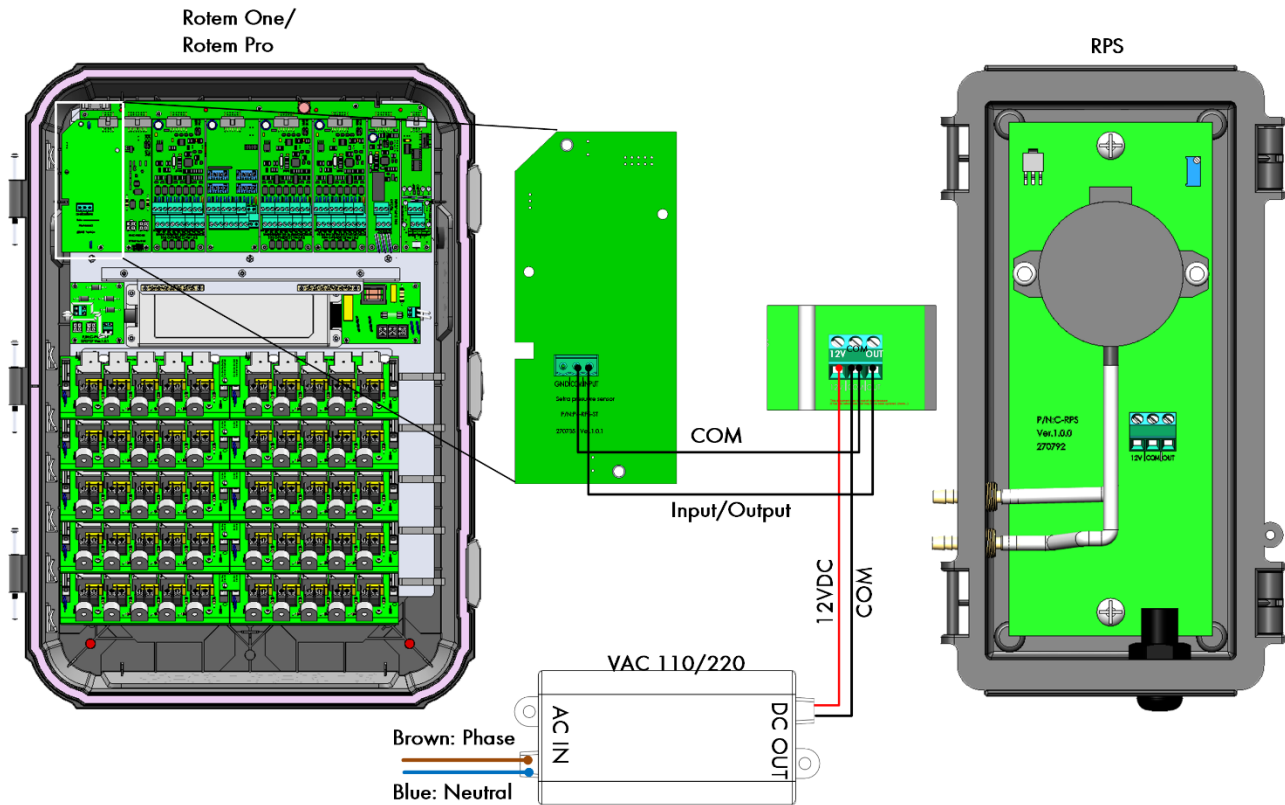


Figure 4: Rotem Pro/Rotem One – RPS Wiring

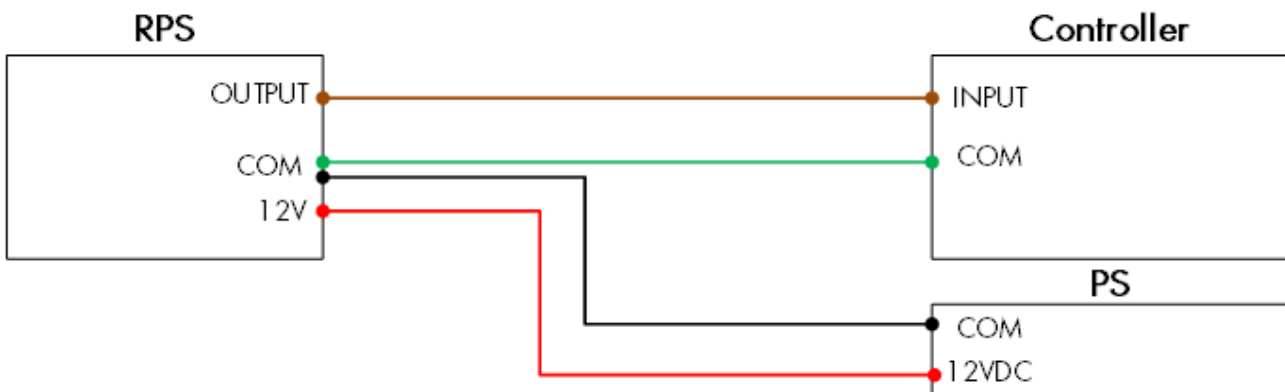


Figure 5: Rotem Pro/Rotem One – RPS Schematic

Refer to the Rotem Pro and Rotem One User Manuals on how to define and configure static pressure-based ventilation.

# 3 Specifications

| Specification | Description |
|---------------|-------------|
| Input power   | 12 VDC      |
| Output signal | 3VAC        |

# 4 Warranty

## Warranty and technical assistance

Munters products are designed and built to provide reliable and satisfactory performance but cannot be guaranteed free of faults; although they are reliable products they can develop unforeseeable defects and the user must take this into account and arrange adequate emergency or alarm systems if failure to operate could cause damage to the articles for which the Munters plant was required: if this is not done, the user is fully responsible for the damage which they could suffer.

Munters extends this limited warranty to the first purchaser and guarantees its products to be free from defects originating in manufacture or materials for one year from the date of delivery, provided that suitable transport, storage, installation and maintenance terms are complied with. The warranty does not apply if the products have been repaired without express authorisation from Munters, or repaired in such a way that, in Munters' judgement, their performance and reliability have been impaired, or incorrectly installed, or subjected to improper use. The user accepts total responsibility for incorrect use of the products.

The warranty on products from outside suppliers fitted to Echo 2.0, (for example antennas, power supplies, cables, etc.) is limited to the conditions stated by the supplier: all claims must be made in writing within eight days of the discovery of the defect and within 12 months of the delivery of the defective product. Munters has thirty days from the date of receipt in which to take action, and has the right to examine the product at the customer's premises or at its own plant (carriage cost to be borne by the customer).

Munters at its sole discretion has the option of replacing or repairing, free of charge, products which it considers defective, and will arrange for their despatch back to the customer carriage paid. In the case of faulty parts of small commercial value which are widely available (such as bolts, etc.) for urgent despatch, where the cost of carriage would exceed the value of the parts, Munters may authorise the customer exclusively to purchase the replacement parts locally; Munters will reimburse the value of the product at its cost price.

Munters will not be liable for costs incurred in demounting the defective part, or the time required to travel to site and the associated travel costs. No agent, employee or dealer is authorised to give any further guarantees or to accept any other liability on Munters' behalf in connection with other Munters products, except in writing with the signature of one of the Company's Managers.

**WARNING:** In the interests of improving the quality of its products and services, Munters reserves the right at any time and without prior notice to alter the specifications in this manual.



The liability of the manufacturer Munters ceases in the event of:

- dismantling the safety devices;
- use of unauthorised materials;
- inadequate maintenance;
- use of non-original spare parts and accessories.

Barring specific contractual terms, the following are directly at the user's expense:

- preparing installation sites;
- providing an electricity supply (including the protective equipotential bonding (PE) conductor, in accordance with CEI EN 60204-1, paragraph 8.2), for correctly connecting the equipment to the mains electricity supply;
- providing ancillary services appropriate to the requirements of the plant on the basis of the information supplied with regard to installation;
- tools and consumables required for fitting and installation;
- lubricants necessary for commissioning and maintenance.

It is mandatory to purchase and use only original spare parts or those recommended by the manufacturer.

Dismantling and assembly must be performed by qualified technicians and according to the manufacturer's instructions.

The use of non-original spare parts or incorrect assembly exonerates the manufacturer from all liability.

Requests for technical assistance and spare parts can be made directly to the nearest [Munters office](#).

