Getting started

Obligations with this instruction manual



This manual is an integral part of the product and must be kept for its entire working life. It must be consulted for all situations related to configuration, use, and maintenance. For this reason, it must always be accessible to the operators.

Instruction manual limits

This manual is intended for the sole device and not for the entire plant! It has been drafted carefully and the consistency between the manual and the product has been verified. Any inconsistencies, errors or omissions must be reported to SELPRO Srl who will integrate them in a new version.

Online manual availability

This instruction manual can be downloaded from the www.selpro.it website. SELPRO Srl reserves the right to keep online information updated to improve use and clarity. In the event of discrepancies between this printed document and the online version, always refer to the latter.

Instruction manual updates

Publication date	Code	Firmware version	Updates
FEB 2024	PPECMEN-R02.02-2	8.0	Function modified for **SW1** switch 2 to set up the display of the temperature and pressure values with Imperial units of measure (°F and psi). Added RS458 Modbus signal for reading/writing data to the EC fan command system that uses 0-10 V signal.
APR 2022	PPECMEN-R02.02-1	7.3	Modified operation switch 2 of **SW1** from "dead band activation" to "fan emergency speed activation". Addition of new status messages in "Home page with Modbus fan control" on page 64 and "Home page with fan 0–10 V output fan control and reading/writing data by Modbus" on page 65. Modified topic order in chapters "Special functions" on page 53 and "Set the common and special functions" on page 96 Modified options for parameters **C7** and **C8** from **output SLAVE 1-10 V** to output **SLAVE 0.75-10 V**. Modified high switching threshold value for Slave Safety mode from 23 mA to 23.5 mA. Other minor changes.
JAN 2022	PPECMEN-R02.02-0	7.1	Recognition of software version on ebm-papst fans enabled and consequent Modbus-0-10V switching management. Updated correlated documents. Updated chapter "Conformity" on page 109 Added “SafeSlave KO” message in the note in "Alarm signal" on page 104 Added image in "Product identification" on page 11 Replace the wording “PC-host” and “supervisor” with “PC-BMS”-
APR 2021	PPECMEN-R02.01-2	6.6	Updated correlated document. Corrected description for TX0, TX1, RX0, and RX1 in "Modbus communication LED" on page 17 Added paragraph "Interrogation frequency from PC-BMS" on page 23 Deleted potentiometer from the illustration in "Connection IN3 for operation in Slave Safety mode" on page 32 Timed cleaning and timed washing of the heat exchanger functions only for ebm-papst fans Updated relay RL1 load data
FEB 2020	PPECMEN-R02.01-1	6.6	First publication

Models described by the manual

This manual applies to the following models:

ECM 230-460 V with IP55 ECM housing
ECM 230-460 V IP00 for DIN Omega or DIN G bars
ECM 20-24 V IP00 for DIN Omega or DIN G bars