

## Brief Description

This adapter board can only be used with the EVP 3167 Cold Storage Controller supplied by ELREHA.



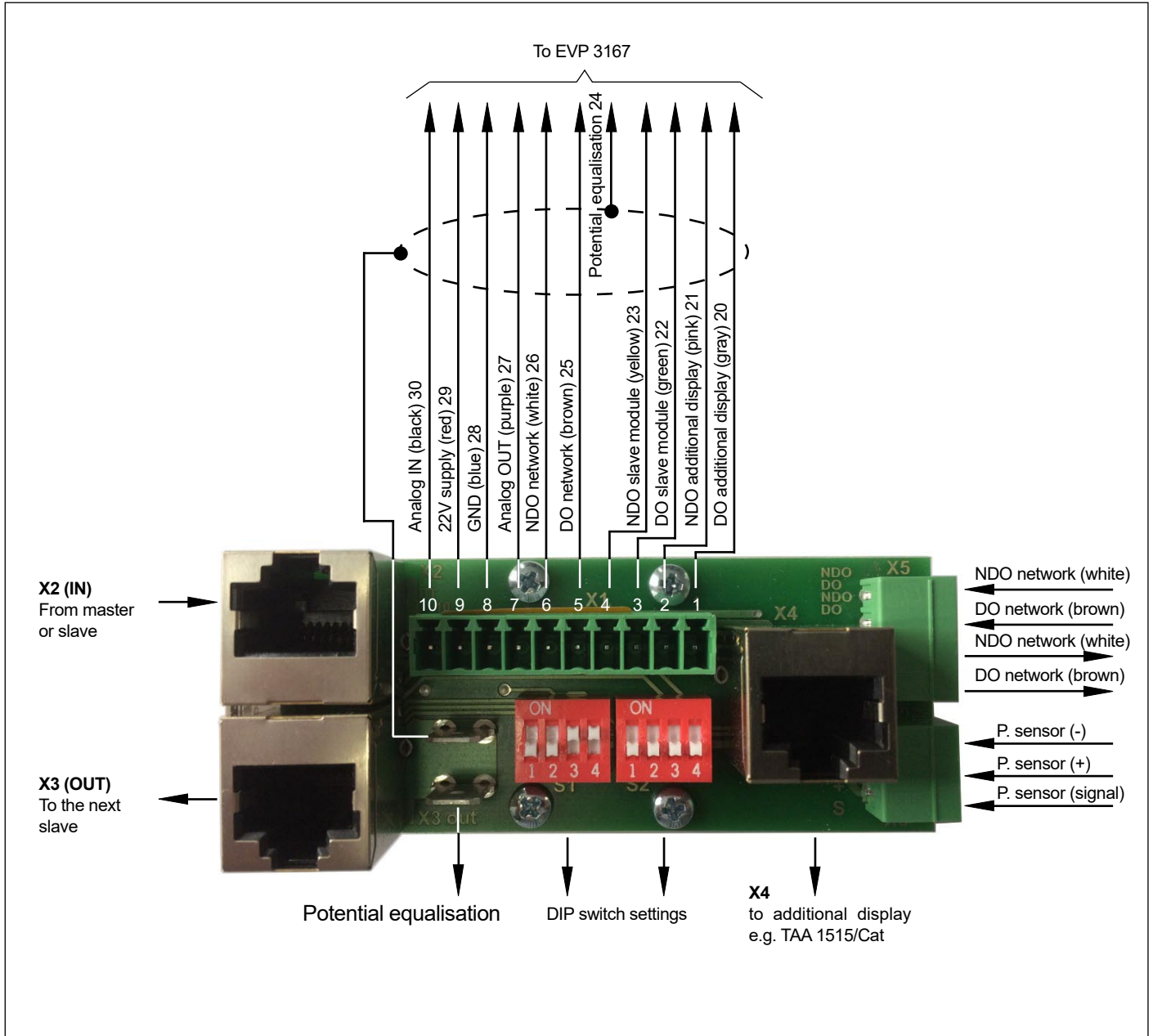
# ELREHA

ELEKTRONISCHE REGELUNGEN GMBH

Manual **5311618-00/00e**

**Additional Board for  
Cold Storage Controller**

Type: **KMS-Zusatzpl.1**



## Technical Data

Power supply ..... not necessary  
 Inputs/outputs ..... 1x p. sensor, 1x DO/NDO, 3x master/slave/additional display  
 Ambient temperature ..... -10...+55°C  
 Max. humidity ..... 85% r.h., non-condensing  
 Design ..... no housing, for standard rail 35mm according to DIN EN 50022,  
 screw terminals 2.5 mm<sup>2</sup>

*Please read this manual carefully before commissioning.  
 Failure to comply may result in damage and void warranty claims. This documentation has been created with the utmost care. However, we cannot guarantee complete accuracy.  
 Our products are subject to continuous maintenance, so changes to the design are possible and reserved.*



**Please note safety instructions !**

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**DIP switch settings**

**Master stand alone, own pressure sensor**

S1/1 Pressure sensor signal	on		S2/1 RS-485 slave NDO in	
S1/2 No function			S2/2 RS-485 slave DO in	
S1/3 RS-485 line NDO	off		S2/3 RS-485 slave NDO out	
S1/4 RS-485 line DO			S2/4 RS-485 slave DO out	

**Master with slave output, own pressure sensor, pressure sensor signal**

S1/1 Pressure sensor signal	on		S2/1 RS-485 slave NDO in	
S1/2 No function			S2/2 RS-485 slave DO in	
S1/3 RS-485 line NDO	off		S2/3 RS-485 slave NDO out	
S1/4 RS-485 line DO			S2/4 RS-485 slave DO out	

**Slave with slave output, pressure sensor signal continued**

S1/1 Pressure sensor signal	on		S2/1 RS-485 slave NDO in	
S1/2 No function			S2/2 RS-485 slave DO in	
S1/3 RS-485 line NDO	off		S2/3 RS-485 slave NDO out	
S1/4 RS-485 line DO			S2/4 RS-485 slave DO out	


**Slave end, pressure sensor signal continued**

S1/1 Pressure sensor signal	on		S2/1 RS-485 slave NDO in	
S1/2 No function			S2/2 RS-485 slave DO in	
S1/3 RS-485 line NDO	off		S2/3 RS-485 slave NDO out	
S1/4 RS-485 line DO			S2/4 RS-485 slave DO out	


**Explanations of the DIP switches**

- S1/1 Pressure sensor signal .....Connects the EVP to the pressure sensor signal
- S1/2 No function
- S1/3 RS-485 line NDO.....Connects the EVP to the network/line
- S1/4 RS-485 line DO .....(applies to all masters)
  
- S2/1 RS-485 slave NDO in .....Connects the slave interface from the
- S2/2 RS-485 slave DO in .....master or previous slave to the EVP
- S2/3 RS-485 slave NDO out .....Connects the slave interface to the
- S2/4 RS-485 slave DO out .....next slave. At the last slave = off

**GENERAL CONNECTION & SAFETY INSTRUCTIONS**

 This manual contains safety instructions and must be available for the user at any time.  
 Any deviation from the specified recommendations outlined in this document will void all warranties. Each user bears full responsibility to utilize quality workmanship.

 • The device may only be used for the intended purpose and technical data described on page 1.

 Dieses Gerät erfüllt die Anforderungen der EU Richtlinien 2014/30/EC und 2014/35/EC sowie der heranzuziehenden Normen. Die Konformitätserklärung ist unter folgender Adresse hinterlegt:  
 This device fulfills the requirements of the EU directives 2014/30/EC and 2014/35/EC as well as the applicable standards. The declaration of conformity is available at the following address:  
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