

Encoder type ME01-02 Instructions for safe installation

Safety approval:	DEMKO 01 ATEX 130640X
Approval type:	II 2G EEx m IIB T6
CE approval	EN61000-6-4 and EN61000-6-2
Manufacturer:	Eltomatic A/S Fabriksvej 6 DK9490 Pandrup Denmark Tel. + 45 9824 6166 – eltomatic@eltomatic.com

1. This encoder is EEx approved for installation in hazardous area zones 1 & 2.
2. Installation must only be carried out with power OFF! Care must be taken to ensure that the electrical potential balance is maintained when installing the shaft encoder.
3. The encoder cable must be routed and fixed in such a way that it is protected from mechanical damage and splashing.
4. The X marking refers to:
 - The ambient temperature range for this encoder is -30°C to $+70^{\circ}\text{C}$. Operation of the encoder outside these limits contravenes the ATEX certification.
 - The cable must be connected in a safe area or suitable certified junction box.
 - The 5.5VDC input voltage shall be supplied through a safety isolated transformer according to EN60742 or EN61558-1 and the max. fuse rating shall be 250mA or through a 1.3W power limited circuit complying with clause 4.1.3 and 4.1.4 in the standard EN 50028.
 - To ensure safe connection in potentially explosive areas where the shaft encoder is connected to the power supply via a terminal or terminal screws of "ignition protection category e", the conductive area of the cable ends should be increased by using suitable crimp sleeves or crimp shoes. Recommended cable connection sequence is Shield – Channel outputs – 0VDC - +VDC.
5. Refer to the product specification for wire colour coding.
6. There are no maintenance requirements. Repairs can only be carried out by Eltomatic. DO NOT open the encoder or attempt to remove the main label; otherwise ATEX certification and Warranty will immediately become void.

Do not hesitate to contact Eltomatic in case of any question