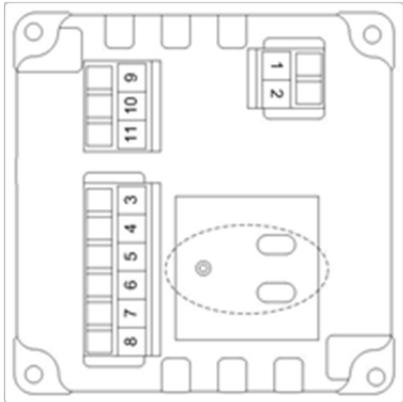
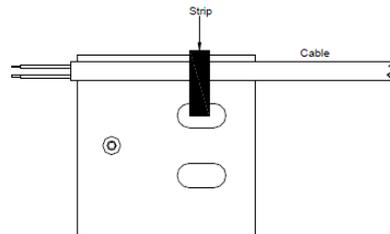


Wiring of CAN version

Pin no.	Function		Note
1	Supply voltage	0 V	Consumption max. 150 mA
2		24 V	
3	CAN connection	CAN 1 H input	CAN 1 line (sCAN line)
4		CAN 1 L input	
5		CAN 1 GND	
6		CAN 2 H input	CAN 2 line/or for external switch for calibrating sCAN (See user's manual)
7		CAN 2 L input	
8		CAN 2 GND	
9	Illumination analogue dimmer	NC	Dimmer input. Dimmer range 7 to 30 V _{dc}
10		Illumination GND	
11		Illumination +	Consumption max. 30 mA



The plate shown at the arrow is for fastening the CAN cable by means of a strip. The strip is not included.



After power-up, the LED will flash once or twice and is then turned off. If the LED keeps flashing, there is no communication on the CANopen lines. Default setup of the Baud rate is 125 kbit/s.



The cable screen must never be connected to earth.



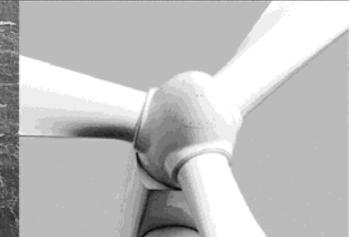
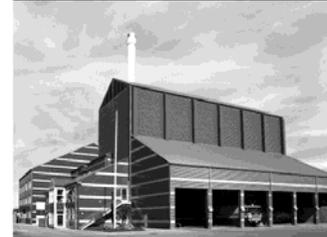
In case the communication is interrupted because of noise, connect the cable screen to terminals 5 and 8 for dual CAN on all instruments in the loop; do not connect the two screens.

DEIF

-power in control



QUICK GUIDE



Illuminated indicators, XL

Refer to www.deif.com for detailed information



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Document no.: 4189350054A

Mounting

According to the DIN standard.

Mount the indicator from the front of the panel, through the hole, and use the fixing clamps to fasten the indicator from the rear side.

Type/size	Panel cutout (mm)	Tolerance (mm)	IP52 fixing clamps	IP66 fixing clamps
XL72	68.5 × 68.5	-0.0/+0.7	2	4
XL96	92.5 × 92.5	-0.0/+0.8	2	4
XL144	138.5 × 138.5	-0.0/+1.0	4	8
XL192	186.5 × 186.5	-0.0/+1.1	4	8

Do not remove the front window protection until the installation has been approved by the class surveyor.

IP66 option

Additional clamps and a gasket are supplied for IP66 mounting. Carefully mount the gasket into the groove of the frame; the flat side goes into the groove and the rounded side faces outwards. Make sure that the gasket is evenly mounted and not capsized.

Warranty label

If this label is removed or broken, the warranty will be lost. Do not open the product! It is likely to be damaged permanently.

Power-up the first time

When the indicator is without power, the pointer position is random.

The indicator is equipped with an amber LED lamp in the lower corner of the scale area. After power-up, the LED will flash once or twice and is then turned off.

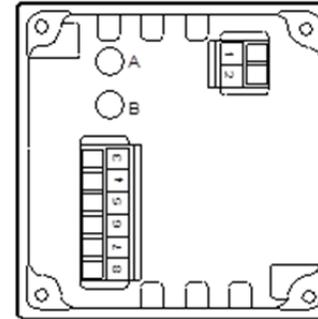
When power is applied, the pointer will be out of control for a few seconds. This is normal operation.

Analogue version:

There is a “maximum” and a “zero” adjustment on the rear side of the indicator. These are normally sealed at delivery.

Wiring of analogue version

Pin no.	Function		Note
1	Supply voltage	0 V	Consumption max. 150 mA
2		24 V	
3	Analogue input	Input 1 (Sin)	Input 1 and GND used for single input. On 4 to 20 mA, input 1 is CW and input 2 CCW Note: GND is mutual for inputs 1 and 2
4		GND	
5		Input 2 (Cos)	
6	Illumination	Illumination +	Dimmer input. Dimmer range 7 to 30 V _{dc} Consumption max. 30 mA
7		Illumination GND	
8	-	NC	Not connected – can be used freely
A	Analogue adjustment	Max. adjustment	Max. and zero adjustment, sealed by label. On 360 degree versions, A is EM selection and B is zero adjustment
B		Zero adjustment	



sCAN version

Setup:

Special means for minimum, zero and maximum setting of the pointer are provided. The pointer rotation direction can also be changed.

Dimmer wiring:

Remember that even if CAN dimming is used, there must be a supply connection to the dimmer circuit on pins 10-11. This is due to the fact that the dimmer circuit is galvanically separated from the built-in power supply.

A direct connection between terminals 1-10 and 2-11 will enable the illumination.



The CANbus must be terminated with a 120 Ohm resistor at both ends of the line.