

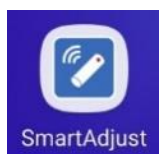
iDOL 44R

TECHNICAL USER GUIDE

(TO BE PROGRAMMED WITH ANDROID SMART PHONE,
ANDROID 4.0.3 OR HIGHER,
NFC MUST BE ACTIVATED)



For **other language variants** of this document we refer to www.dol-sensors.com or your local dealer.



PRODUCT DESCRIPTION:

iDOL 44R is a capacitive relay sensor for detection of feed, grain and solids. The sensors have relay output including switch function.

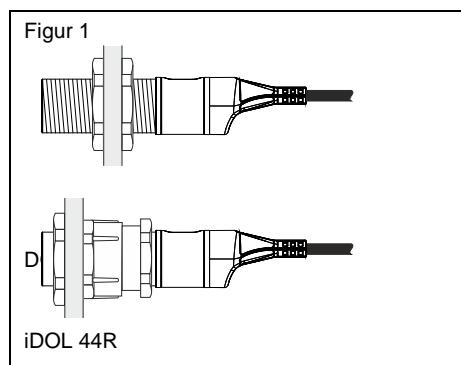
Fields of application:

- Level control in silos and containers
- Controlling the filling and emptying process

MOUNTING GUIDE (FIG. 1):

iDOL 44R includes M30 thread. Mount it in a $\varnothing 30$ mm hole and tighten using the locknuts included.

iDOL 44R is made in a $\varnothing 30$ mm smooth design mounted in a PG36/M40 gland.



INSTALLATION GUIDE (FIG. 2):

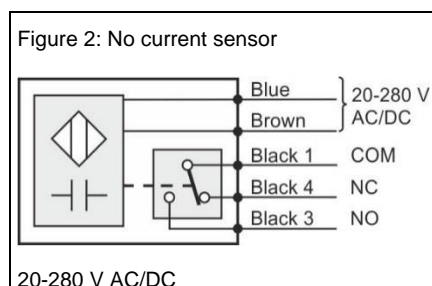
Supply voltage is connected to the blue and brown wire.

The load is connected in series with the relay contact of the sensor.

STOP by activating the sensor: Use the black wires 1 and 3.

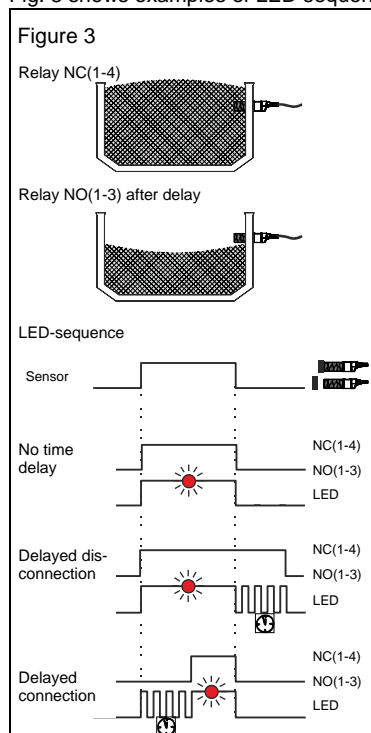
START by activating the sensor: Use the black wires 1 and 4.

NOTE! The internal relay is in position NC when the supply voltage is connected and the sensor is activated – wire 1 and 4 are connected.



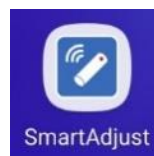
iDOL 44R has a red LED, indicating sensor status.

Fig. 3 shows examples of LED sequences.



PROGRAMMING APP

Download the programming app from Google App Store, search for SmartAdjust or use the QR code below.



TECHNICAL DATA:

Supply voltage:

Voltage: 20 – 280 V
AC/DC

Power consumption: < 2 VA

Relay:

Max. resistive load, 250VAC: 5 A

Max. lagging load, 250VAC: 2 A

Min. relay current, 12 VDC: 100 mA

Temperature:

Temp. operation: - 20 °C - + 70 °C
- 4 °F - + 158 °F

Temp. storage: - 30 °C - + 80 °C
- 22 °F - + 176 °F

Degree of protection:

IP: 69k

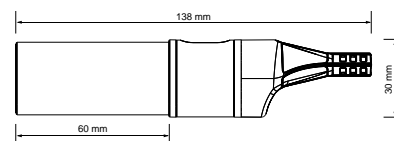
NEMA: 1, 3, 4, 6, 12, 13

Cable:

Length: 2 m
6,6 feet

Conductor dimensions: 5 x 0.5 mm²
5 x AWG20

DIMENSIONS:



APPROVALS:

CE
UL
C-UL