

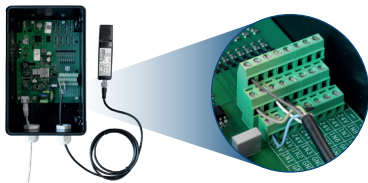
01. Contents



02. Screw in mounting bracket



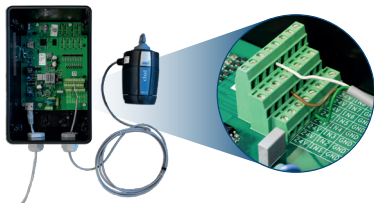
03. Connect DOL 139



04.

	1	2	3	4	5	6	7	8
1	●							
2	●		●	●				
3	●							

05. Additional sensors



06.

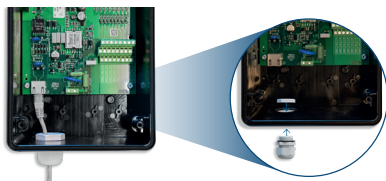
	1	2	3	4	5	6	7	8
1	DOL139	24V	DOL139	24V	24V	24V	24V	24V
2	DOL139	IN2	DOL139	DOL139	IN5	IN6	IN7	IN8
3	DOL139	DOL139	DOL139	GND	GND	GND	GND	GND

07. Port configuration (OmniFarm Pro)

Each port works independently and must be configured in accordance with the connected sensors. Each port has a plug for 24 V power supply (1), a plug for the DOL sensor output signal (2) and a ground plug (3). To connect a DOL sensor, the process is as follows:

- Make sure there is no power on the iDOL 63
- Select which port to use. DOL 19 may only be plugged into port 1 and 2, whereas the other supported DOL sensors may be plugged into any of the 8 ports. You may only connect one sensor to a port
- Follow the TUG for the selected sensor to connect power, signal and ground correctly
- Connect POE (power and internet connection, the RJ45 internet connector)
- If you have an Omni Cloud account, follow the Omni UI User Guide or handover the information to the owner/administrator of the Omni Cloud account to get the device configuration updated.
- If you are an OmniFarm Pro user update the device configuration in your OmniFarm app; OmniFarm user guide section Adding sensors to a device

08. Connect to PoE



09. Verify device status

Power

- Power on the box

Status

- ☀ No internet connection
- Internet connection OK
- ☀ Internal memory full
- Internal error

10. Download OmniFarm App¹



11. Connect OmniFarm to iDOL 63 with NFC^{2,3}



12. Sensors

DISTANCE	MM ²	AWG
<50 m	Min. 0.5 mm ²	Min. 20 AWG
50-100 m	Min. 0.75 mm ²	Min. 18 AWG
100-150 m	Min. 1.0 mm ²	Min. 17 AWG

13. Cleaning

Do not use:

- High-pressure cleaner
- Highly compressed air
- Solvents
- Corrosive/caustic agents
- Alcohol-based disinfectants

14. Technical data

Power supply	48VDC via PoE IEEE 802.3af or better
Ambient temperature, operation	0°C – 50°C
Ambient temperature, storage	-20°C – 60°C
Ambient humidity, operation	10 - 90%RH
Classification	IP 54
Connection type, network & power	RJ45 / LAN: CAT5e (or higher)
Connection type, sensors	Screw terminal
Weight	1000 g
Dimensions	H x W x D: 120 × 162 × 261 mm
Dimensions, shipment	H x W x D: 165 × 230 × 310 mm

¹OmniFarm is available only on iPhone 7 or higher. Newest version of iOS or Android is required.

²NFC must be enabled on Android smartphones

³If scanning fails, input ID manually. ID can be found on the sticker placed on the side of the box



iDOL 63 user guide



OmniFarm user guide

