

WINDCRANE DIN/InCrane Step-by-Step Installation Guide

IMPORTANT

- Test the system in your office/workshop and make sure you are comfortable with its operation and the wiring before installing it on site.
- Do not connect the mains power until the system has been mounted and wired.

1. Logger Mounting and Wiring

1. Mount the WINDCRANE logger and power supply unit in the electrical panel. Allow 200 mm of rail width for WINDCRANE and PSU.
2. Wire the PSU input to a mains supply via 3A MCB. Do not switch on yet.
3. Wire the PSU output to the WINDCRANE (+12V to PWR terminal, 0V to GND)
4. Wire the sensor M12 cable tail to the logger input (see wiring diagram).
5. Mount the magnetic base antenna outside the equipment cabinet in a position where it will not get knocked or obstructed, and route the cable back to the logger. Connect the antenna to the SMA socket on the WINDCRANE unit.



2. Wind Speed Sensor

1. Mount the wind speed sensor vertically in a position with clear air flow using the supplied clamp/bracket, or mount it to a suitable pendulum gimbal if required (not supplied).
2. Connect the M12 extension cable between the sensor output M12 plug and the WINDCRANE input M12 socket cable tail.

IMPORTANT: Hand tighten the threaded locking rings to secure the connections.



3. In-Cab Display (Option)

1. Find a suitable position for the display module. The magnetic base bracket allows mounting on top of or hanging from a steel panel or frame rail (refer to display installation guide).
2. Route the pre-wired flat “phone” style cable from the WINDCRANE logger to the display position and connect to the RJ11 socket on the display.
3. Wire the display cable to the WINDCRANE logger (see separate wiring diagram).



4. Switch On and Check Operation

1. Switch on the mains supply. Check for green or blue “power on” LED on PSU.
2. The in-cab display should start showing speed readings, and the green LED on the WINDCRANE unit (behind PWR/GND terminals) should flash once per second.
3. Allow 1-2 minutes for the WINDCRANE device to come online, and check that wind speed is updated on the WINDCRANE app or web portal every 10 minutes.

