

JUNCTION BOX

Fast and watertight connection of sensors and flow meters to SOFREL data loggers



USES AND BENEFITS

- Multiple connection of sensors and flow meters
- Long-term durability ensured by reinforced watertightness
- Efficient wiring thanks to fast, clearly identified terminal blocks
- A multi-purpose enclosure

SOLUTION FEATURES

- Reinforced watertight sealing system, IP68 certified
- 24-point terminal blocks with integrated silk-screened identification
- Hands-free system to facilitate wiring
- 2 m cable between the enclosure and the data logger with fast, watertight connector
- Enclosure compatible with SOFREL LogUp and DL4W

KEY FEATURES:



Installation
time savings



Simplicity



Clearly identified
terminal blocks



IP68
watertightness

Diagram

SIMPLIFIED CONNECTION OF SENSORS TO THE DATA LOGGER



Technical characteristics

ENCLOSURE:

Wall-mounted support

Dimensions (mm)	H 180 x W 182 x D 110
Weight	590g
Operating temperature	-20 to +70°C
Wall mounting	3 screws Ø 4 mm - Pull-out resistance 150 N (minimum)
Suspension openings of the junction box	180° suspension of the connection box to wire sensors while keeping hands free. Cable strands are kept dry during installation.

Watertight enclosure

Sealing	IP68 certified – easy clip opening, no tools required
Cable glands	2 x M12 for cable diameters from 4.5 to 6 mm 2 x M16 for cable diameters from 6.5 to 10 mm
Terminal blocks	For flexible or rigid cables 24 connection points AWG 26 to 14 – cross-section from 0.14 to 1.5 mm ² Silk-screened identification of cable signals used (DI, AI, power supply lines and RS ⁴⁸⁵ communication)
Integrated vent	Ensures pressure equalization with atmospheric pressure and allows integration of the differential sensor capillary without affecting measurement accuracy.

DATA LOGGER CONNECTION CABLES:

Connection cables	Length: 2 m Watertight connectors with quick locking (SOFREL LogUp reference and SOFREL DL4W reference)
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