

REPEATER



HD35-RE-E

Art. no. 608724

Repeater

General:

The device is able to act as a bridge between the base unit HD35-AP... and the remote data loggers HD35-ED..., allowing the communication distance between data loggers and base unit to be increased.

Several repeaters in cascade can be used. External 6 VDC power supply. Internal backup battery. Configuration via HD35-AP-S software. Wall mount removable (by using the included support) or fixed (with optional flanges) installation.

Specifications:

Power supply: Internal 3.7 V lithium ion rechargeable battery, capacity 2250 mA/h, JST 3-pole connector
Optional 6 V DC external power adapter (HD35-SWD06)
Powered directly from the PC USB port

Power consumption: 30 mA

Battery autonomy (typical): 3 days

Transmitting frequency: 868 MHz

Antenna: Whip external

Serial outputs: USB with Mini USB type connector (cable CP23)
Only for configuration and firmware update, not for data download

LED indicators: Presence of external power supply, battery charge level, RF communication status.

Keyboard: Push-button for connection / PING (for testing RF)

Working temperature and humidity range: -10 ... +60 °C / 0 ... 85 % RH not condensing

Housing

Material: LURAN® S 777K

Dimensions: 135 x 86 x 33 mm (excluding antenna) (H x W x D)

Installation: Wall mount support (supplied) for removable installation or flanges (optional) for fixed installation

Scope of supply: Device, battery HD35-BAT1, wall mount support HD35-03, without power supply

Accessories:

HD35-SWD06

Art. no. 609458

Power supply, 100 ... 250 V AC / 6 V DC / 1 A mains voltage

Signal range	HD35-RE-E	HD35-AP...	HD35-AP-D-E
		868 MHz frequency	
HD35-ED... with internal antenna	300 m	300 m	180 m

BASE UNIT



SOFTWARE HD35-AP-S INCLUDED

HD35-AP-D-E

Art. no. 608727

Base unit

General:

"Dongle" base unit for interfacing among PC and data loggers of the system. USB connection. Powered only by the PC USB port (the unit has no internal battery). Internal antenna.

Specifications:

Versions: With internal antenna

Power supply: Powered directly from the PC USB port

Transmitting frequency: 868 MHz

Transmitting range: See table

Output: USB with type A connector

Internal memory: The number of samples that can be stored depends on the type of data loggers connected. The capacity is 226,700 samples if all the data loggers record 7 quantities.

LED indicators: RF communication status

Working temperature and humidity range: -10 ... +60 °C / 0 ... 85 % RH not condensing

Dimensions: 62 x 25.5 x 13.2 mm (H x W x D)

Scope of supply: Device, basic HD35-AP-S software, manual

Comparison of the different Access Points

Connection	HD35-AP-D-E	HD35-AP-W-E	HD35-AP-G-E
USB	•	•	•
RS485			
Wi-Fi		•	
Ethernet		•	
GSM / GPRS			•
Protocols			
Proprietary on USB	•	•	•
Proprietary on TCP/IP		•	•
Modbus RTU			
Modbus TCP/IP		•	
SMS commands			•
Data processing			
Automatical data download in the Database	•	•	•
Sending of data via e-mail		•	•
Sending of data to an FTP address		•	•
Alarms			
Alarm thresholds	•	•	•
Alarm SMSes			•
Alarm e-mails		•	•