

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			•
<b>Protocols</b>			
<b>Proprietary on USB</b>	•	•	•
<b>Proprietary on TCP/IP</b>		•	•
<b>Modbus RTU</b>			
<b>Modbus TCP/IP</b>		•	
<b>SMS commands</b>			•
<b>Data processing</b>			
<b>Automatical data download in the Database</b>	•	•	•
<b>Sending of data via e-mail</b>		•	•
<b>Sending of data to an FTP address</b>		•	•
<b>Alarms</b>			
<b>Alarm thresholds</b>	•	•	•
<b>Alarm SMSes</b>			•
<b>Alarm e-mails</b>		•	•

HANDHELD INSTRUMENT

DISPLAY / CONTROLLER

LOGGER- / BUS SYSTEMS

TRANSMITTER

TEMPERATURE PROBE

ALARM / PROTECTION, LEVEL