

ACS210xx AnyLevel™

Level Detection System for Hazardous Area



Download Installation Guide:
English, Chinese

► www.mt.com/ind-downloads-sli210

METTLER TOLEDO

See the ACS210xx AnyLevel™ Installation Manual for further instructions:

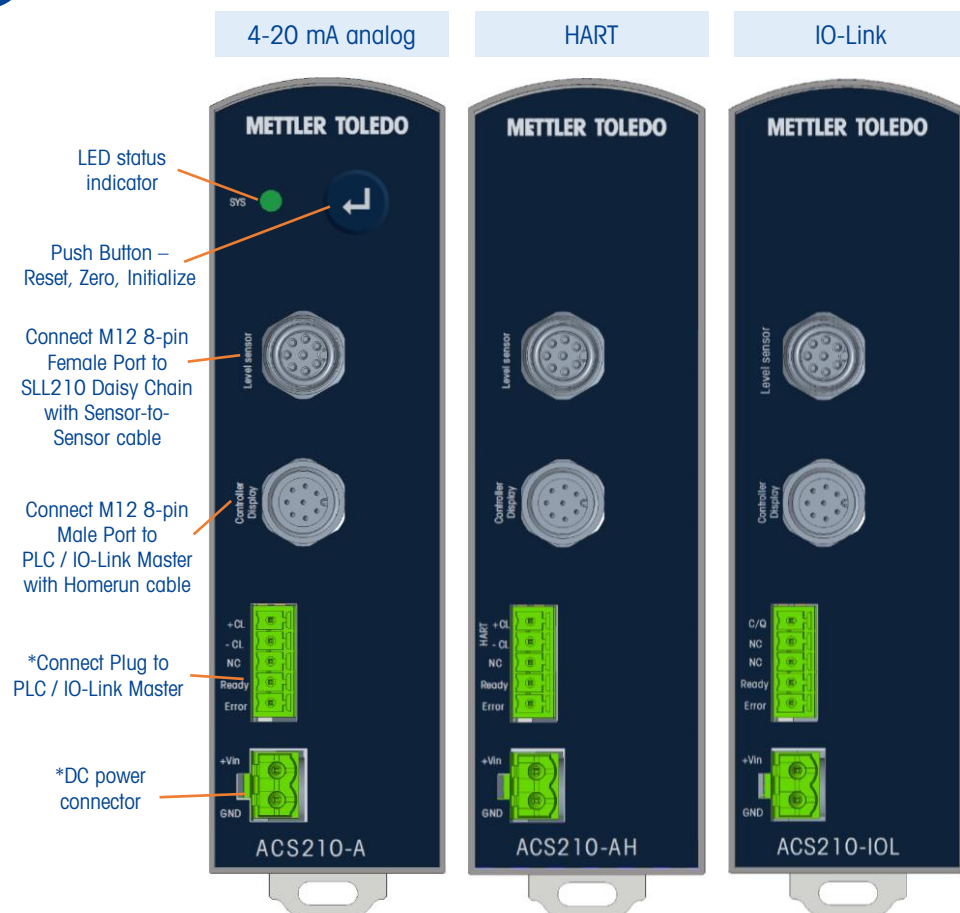
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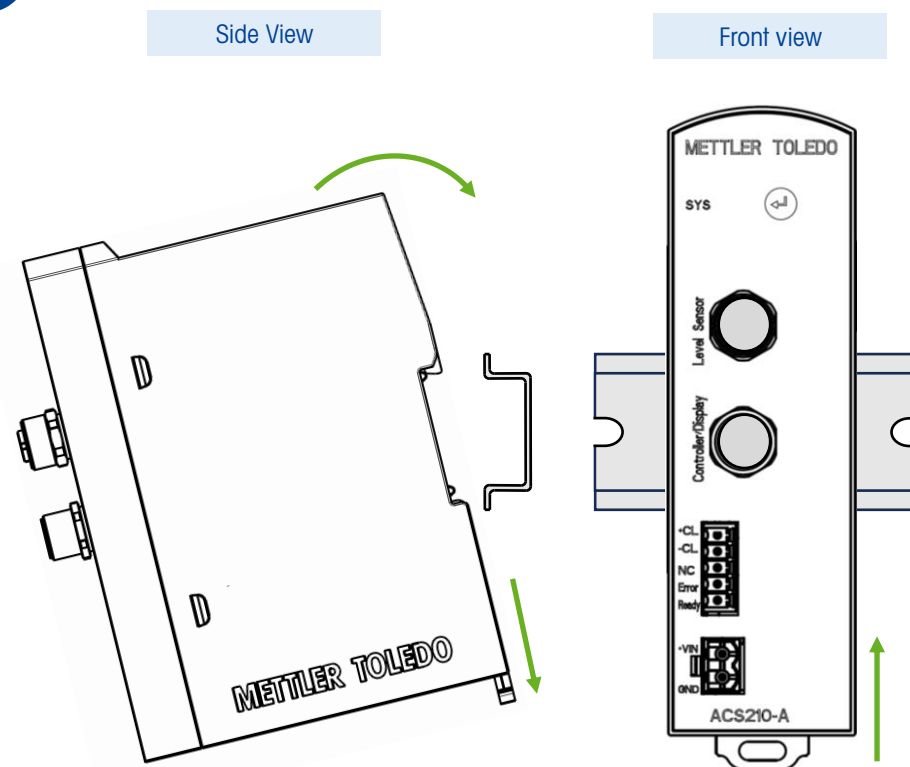
ACS210xx Interface Features – Front View



*Alternative to M12 8 pin Male Port

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ACS210xx Installation in Control panel



To mount the ACS210 unit on a rail, open the green latch by pulling down, then position the indicator so that its upper tabs rest on the DIN rail. Use a screwdriver to push the latch up and secure the indicator in place.

To detach the ACS210 unit, simply put the blade of a screwdriver in the latch and press it downward.

EN

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Connect Sensors: Daisy Chain / Arrange in any Order

- Connect SLL210 sensors in a daisy chain in any desired order. Use industry standard or METTLER TOLEDO cables
- Connect first SLL210 sensor to ACS210xx unit
- Connect ACS210 Unit to PLC or IO-Link Master
- Connect terminal resistor to last SLL210 sensor

Cabinet – Safe Area

PLC / IO-Link Master

LED and Push Button (4-20 mA Analog)

ACS210-A

Hazardous Area

ACS210-to-Sensor cable or Sensor-to-Sensor cable

Add cable protector

Cable Protection Clamp

Sensor-to-Sensor cable

Terminal resistor

Ex

For hazardous applications, the daisy chain must be terminated with a terminal resistor for all communication protocols.

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Wire / Pin Assignment for PLC Connection

IO-Link

2: N.C.

5: N.C.

3: GND / L-

1: VDC / L+

4: CL+ / CQ

Signal	Color
1 VDC / L+	Red
2 N.C	-
3 GND / L-	Black
4 CL+ / CQ	Green
5 N.C	-

4-20 mA analog / HART

Signal	Color
1 CL-	Blue
2 CL+ / CQ	White
3 Ready	Yellow
4 Error	Pink
5 RS485-A+	Green
6 RS485-B-	Brown
7 GND / L-	Black
8 VDC / L+	Red

Installation Tips and Precautions

- Avoid moisture and dust
- Ensure voltage stability – use a regulated power supply
- Avoid overload and shock
- Ensure good grounding

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Initialize and Configure the ACS210xx AnyLevel™ System

4-20 mA analog

- Power on, wait 12s (LED fast flashing). Initializing is finished when LED stays on constantly
- Resetting for the first run, press button between 4 s and 10 s
- System is operating when LED flashes slowly (1 Hz)

4-20 mA HART

- Download and integrate DD-file <https://www.fieldcommgroup.org/>
- Power on, wait 12s, send resetting command

IO-Link

- Download and integrate IODD-file <https://ioddfinder.io-link.com/>
- Power on, wait 12s, send resetting command

Contact Information:

► www.mt.com/contact

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