FORKLIFT OPERATOR OVERLOAD ALERT SAFETY NOTIFICATION AT PRYSMIAN GROUP

That is a highly targeted and impactful safety upgrade!

Prysmian, the global leader in energy and telecom cable systems, manages heavy and high risk materials like massive industrial cable reels.
Implementing **SkidWeigh Classic technology** across its North American manufacturing fleets is a major step forward for warehouse safety.

As the world's largest manufacturer of electric cables, **Prysmian Group relies heavily on Hyster forklifts** to manage severe duty cycles, heavy raw materials, and massive finished product spools across its international manufacturing plants. To meet intense heavy use demands while aligning with company wide sustainability goals, Prysmian's typical **Hyster fleet equipped with hydraulic accumulators focuses on extreme payload capacities with overload safety alerts.**





Typical Hyster Models by Application

Because manufacturing electrical cable involves shifting high-density copper/aluminum raw materials and extraordinarily heavy cable drums, Prysmian uses a distinct split of Hyster classes:

- **Heavy Duty / High Capacity (15,000 to 52,000+ lb):** For moving massive industrial cable reels across shipping yards and production floors, Prysmian relies on heavy duty Hyster trucks. Operators utilize platforms ranging from standard 15,000 lb counterbalances up to massive **52,000 lb capacity Hyster high capacity units**. These are increasingly equipped with integrated lithium-ion systems (such as the Hyster **J230-360XD series**) to replace old diesel giants without sacrificing high-lifting torque.

- **Mid-Range Material Handling (5,000 to 9,000 lb):** For moving standard raw material pallets, production equipment, and mid-sized spools, standard pneumatic or cushion tire platforms like the Hyster **S50FT** or **H90FT** series are

Prysmian Fleet with SC1 SkidWeigh Classic

common. These are equipped with custom front end hydraulic attachments (like specialized reel clamps or pole rams) specifically engineered to cradle cylindrical cable reels securely without puncturing the insulation.

- **Warehouse and End-Rider Walkies:** For tight warehouse lanes, sub assembly logistics, and trailer loading zones, the fleet utilizes compact **Hyster electric walkie stackers** (like the **W30ZR** or **W45ZHD**) to maintain rapid, low-clearance agility.



- **North American Presence:**
  Maintaining a massive footprint in North America, the company runs more than 50 facilities, employs 9,000 people.

- **Canadian Operations:** Operating as Prysmian Canada, the brand has powered local infrastructure for over 100 years. It maintains 5 manufacturing plants (including locations in LaPointe, QC, and Prescott, ON) producing regional staples like NUAL aluminum wire and TECK cables.

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Key Features of the SkidWeigh Classic SC1 System

- **Real-Time Hydraulic Weighing:**
  The system integrates directly into the forklift's main hydraulic cylinder. Operators get a precise weight reading in just 3 seconds using "Lift-N-Weigh" technology by raising the load 2 to 4 inches off the ground.

- **Audio and Visual Overload Alerts:**
  The SC1 is equipped with a high visibility LED digital display and with integrated strobe lights and audio alarms. If a load exceeds safe vehicle parameters or predetermined racking weight restrictions, the system immediately flags the dangerous overload event to protect the operator and surrounding infrastructure.

- **Universal Application:**
  The technology is robust and adaptable, installing in roughly 2 hours across any forklift make, model, or operational voltage.

- **No Vehicle Derating:**
  Crucially for industrial environments, it operates via pressure transducers. It does not modify the physical forklift carriage or structure, meaning the vehicle's OEM lifting capacity rating does not have to be legally de-rated or re-plated.

To configure the specific overload thresholds on the **SkidWeigh Classic SC1 onboard scales**, the operational management will program them during the standard calibration phase or directly edit them through the administrative system menu.
Depending on the specific firmware version or standard configuration your fleet uses.

Quick Configuration (Using the 2-Button Interface)

1. **Enter Mode:** Press and hold the **M** key for **3 to 5 seconds** until the screen enters the programming loops (beginning at mode zero).

2. **Cycle Through to Overload Mode:** Use the **M** key to toggle through the numeric input modes until the display prompts you with an **Overload Notification** or maximum lifting capacity limit.

3. **Input the Overload Value:** Use the **arrow key** to change the flashing numeric digits to your desired weight threshold (e.g., if you have a 4,000 lb capacity forklift, you might configure the threshold at `3,500`or `3,800` lb depending on the warehouse racking safety parameters).

4. **Confirm and Save:** Press the **M** key one last time to save the value and exit.

Once configured, any lifted load hydraulic pressure reading that translates above your input threshold will instantly trigger the onboard audio alarms and flashing visual strobe alerts to notify the Prysmian forklift operator.







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