

Introducing the Thales solution, whenever heavy weather or climate conditions affect your daily work. L710H assures safe continuation of train operation up to a certain water level on track, the point machine equipment withstands strong water and humidity impacts. Even train operation in harsh environment like deserts with sand issues is not a problem.

With proven capability to work in deserts and in heavy water circumstances, Thales introduces the new L710H point machine for your infrastructure. The product is **water-resistant** to IP67 standard and designed for extreme **long life time of more than 1 million movements** before overhaul.



WATERTIGHT, EXTREME LONG LIFE TIME, FIELD PROVEN

Point Machine L710H





POINT MACHINE

L710H

Quality Made in Germany

Thales has a long track record in point machine design, manufacturing and installation. Every year on an average about 2000 point machines are manufactured and shipped from Thales production plant in Arnstadt/Germany.

Design

The L710H is an electro - hydraulic point machine with either IP67 or IP54 protection class enabling nearly wear-free operation for very long life time. It's based on the standard L710H model with long field proven track record. The point machine has an internal lock. For manual operation a hand crank and shut – off key is provided.

Advantages and benefits

- Thales L710H is capable for heavy water impacts environments and locations having issues with tiny sand corns
- Point machine requires virtually no maintenance between overhaul cycle
- L710H product is available for every gauge, every point type and every AC electrical interface (4-wire, 7-wire, etc.) to the interlocking. DC electrical interface can be verified upon request.
- Technical point machine parameter can be adjusted and customized according to customer requirements.

Main References

- Canada
- Finland
- Italy
- Malaysia
- Switzerland
- Turkey
- Saudi Arabia
- Several other countries

Features

- **Electrical interface**
Supports all common electrical interfaces to the interlocking like 4-wire, 7-wire, etc.
- **Power Supply**
380/ 220 VAC with about 700W and other power supply like 110VAC or DC can be verified upon request
- **IP**
Designed according to IP67 and IP54
- **Forces**
All forces are adjustable
- Throwing up to 6 kN
- Retaining up to 9 kN
- **Throwing time**
Throwing time is customizable from typically < 6s to be in line with customer requirements in dependence from local infrastructure characteristics
- **Stroke**
Customizable stroke for any gauge and point type
- **Point type**
Capable for any point type from single throwing level up to several throwing levels of high speed points
- **Product life time**
More than 1 million throwing movements with more than 2,5 million movements verified before machine overhaul
- **Point lock type**
Internal point lock
- **Installation configuration**
Suitable for right-hand or left-hand layout
- **Trailability**
Can be configured as trailable or non-trailable
- **Operating time**
less than 6 seconds