

# KARI

## SILO SWITCH

### KARI-Silo Switch

This switch is designed for the surface level control of loose storage items.



205.93

**KARI-FINN OY**

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## Installation and Operation

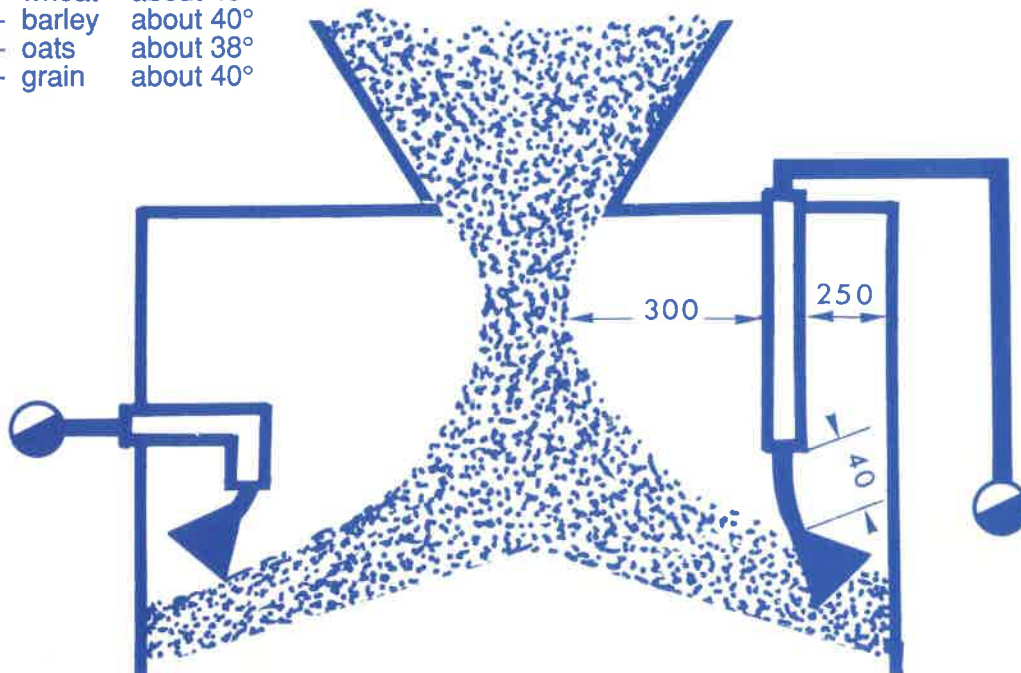
At the end of a cable hangs a bell shaped cone containing micro switch which operates when the cone is tilted some 25° in any direction from its normal vertical position.

The unit must be installed a minimum of 250 mm from the silo wall and a minimum of 300 mm from the center opening. 40 mm of cable is required from the end of the protective conduit to the cone. The same requirements hold true for the side mounted switch.

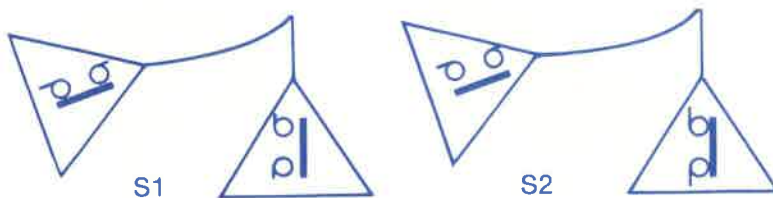
When the silo is filled to the predetermined capacity the switch is activated by the rising level of the item being stored.

Examples of Density differences causing different degrees of tilt in different items.

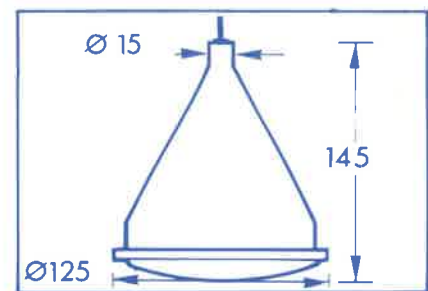
- gravel about 55°
- wheat about 45°
- barley about 40°
- oats about 38°
- grain about 40°



Installation must be at least 300 mm from the center.  
Installation must be at least 250 mm from the side.  
From the conduit to the bell there must be 40 mm.



Position of switches in different float positions



## Technical data

Voltage 24V 250V  
Current 1 A AC1  
Weight 160 g  
Operating temp. -20°C . . . +60°C  
Cable Dimensions 2 x 1 mm<sup>2</sup>, 2 m  
Bell Material ABS  
Cable Insulation rubber

Type S1 Bell free floating - switch open  
Type S1 Bell tilted - switch closed  
Type S2 Bell free floating - switch closed  
Type S2 Bell tilted - switch open