

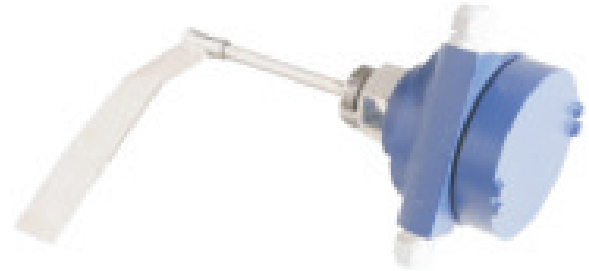
ROTATING PADDLE POINT LEVEL SWITCH

JAYCEROTO – 6000 SERIES



FEATURES

Level switch for powders and free flowing solids
 Flexible coupling (optional as per application)
 Extension up to 3 m
 Robust, dust and watertight housing
 Extended life by motor shut off design
 sealed bearings
 Interchangeable paddle assemblies,
 Magnetic Clutch mechanism



ABOUT JAYCEEROTO

A small electric motor drives the paddle, which rotates freely in the absence of material.

Impeded by material the motor will be turned within the housing while loading a spring and triggering two switches. One of them is a dry electric contact for control and alarm functions while the other cuts the power to the motor. When the material level drops, the loaded stretched tension spring returns the motor to its original position and the unit is reactivated.

APPLICATION

JAYCEEROTO heavy duty, rotary paddle switches are the most suitable for level detection of dust granules and other free flowing solids up to the particle size of $\text{Ø}10$ mm. Mounted in bins, silos and hoppers it can be applied for control of level, filling and emptying as well as for protection against overfilling.

Main application areas:

Agriculture: beet slice, hard crop, Chemical industry: plastic powders, granules, pellets

Food industry: sun flower, sun flower cod, Building industry: sand, calcium powder, gypsum, coffee and cacao powder, flour, sugar, etc. Energetics: active soot, coal powder, fly ash

Number and material of vanes

Specific gravity and particle size of the material provides orientation for the number of

vanes. Most commonly used is the stainless steel, single vane blade. The lowest specific gravity for this paddle is $0,4 \text{ kg/dm}^3$.

For lighter materials the use of 3- or 4-vane paddle is recommended,

PROBES

Standard probe length : 150 mm.

Longer length up to 3 m. Construction and length of the probes would depend upon the application. Various types of probes:, Rigid and Flexible available.

TECHNICAL DETAILS

Housing	Cast Aluminium
Insertion length	150 mm standard, Extension upto 3 mtrs
Revolution per minute	1 / minute
Ambient temperature	-40 °C...+65 °C
Material of wetted parts	galvanised mild steel, stainless steel,
Material and number of vanes	stainless steel, 1 to 4, various types available as per application.
Process connection	1-1/2" BSP (standard) others on request.
Medium specific gravity	min. 0,08 kg / dm ³
Medium temperature	40 °C...+80 °C, special version upto 200 °C available.
Electrical Cable gland	PG -16, 2 nos. (Polymer)
Medium pressure max.	2 bar
Output	SPDT 230 V AC, 10 A,
Power supply	230 V AC, ±15% or 110 V AC or 24 V DC

Continuous efforts for product development may necessitate changes in these details without notice

For more information visit us at
www.jayceetech.com



JAYCEE TECHNOLOGIES PVT. LTD.

Shed No.7, Nanekar Industries Building, Survey No. 79/2, Dangat Industrial Estate,
Shivane, Pune - 411 023, India. ■ Tel. : 020 - 64703186 ■ Tel./Fax : 020 - 25290744

■ Email : Jayceetech@vsnl.net ■ Jayceetech@gmail.com