

BELT MISALIGNMENT SWITCH



NO.1 INTRODUCTION

Belt sway switch (also called belt misalignment switch) is used to inspect belt misalignment as running of conveyor machines to avoid materials out, leakage or overflow.

NO.2 WORKING PRINCIPLE

As belt misalignment, belt edge drives vertical roll of belt sway switch rotation and make it inclined, if incline more than first action angle, output one set signal, if incline more than second action angle, then output another set single, the two sets of signals represent alarm or stop. After normal running of conveyor, vertical roll of belt sway switch restore automatically.

NO. 3 STRUCTURE FEATURES

1.Aluminum alloy shell reaches high strength, lightweight, shell of belt sway switch can reach IP 67, it can be worked at extremes environment for long time. 2.Large capacity of electric shock, moves sensitive and reliable.

NO. 4 USAGE AND INSTALLATIONS

Fix belt sway switches on frame, then weld on the conveyor machines, Axis of vertical roll with belt consist by 90°, distance between vertical roll and belt edge is 50 to 100 mm. Belt edge is at the position of 1/3 vertical roll of belt sway switch, and every 50 meters need install one couple of belt sway switches.

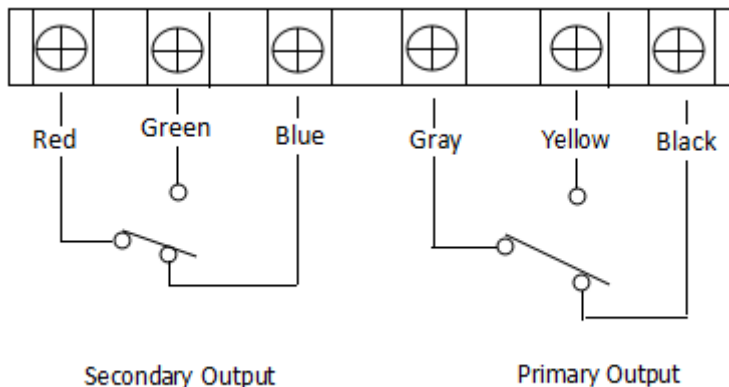
NO.5 CONNECTION CABLES

Belt sway switches are equipped four-core cable, and mark No.1, No.2 No.3 and No.4 cables. No.1 and No.2 are normal open contact, No.3 and No.4 are normal close contact, if two normal open and two normal close, please advise it before ordering.

NO. 6 MAIN TECHNICAL PARAMETERS

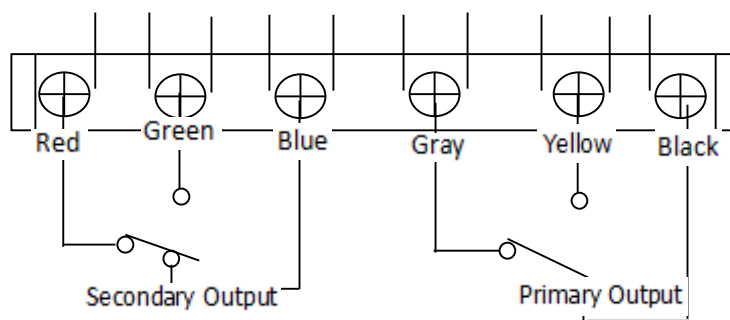
Model	Contact capacity	Contact quantity		Action angle			Restoration type	IP Level	Weight
		Normal open	Normal closed	First level	Second level	Limit angle			
PPKG	AC380V 5A	2	2	12°	30°	70°	Automatic	IP 65	1.6 kg
				10°	45°				
				25°	35°				

NO. 7 Wiring Diagram



Secondary Output

Primary Output



Secondary Output

Primary Output