

# NEW!

# MODEL BSDC

## COMPACT BELT SPEED DETECTOR



**SIMPLE DESIGN AND INSTALLATION. NO DRILLING OR TAPPING OF TAIL PULLEY SHAFT REQUIRED, UNIT IS SHIELDED BETWEEN TOP AND BOTTOM OF CONVEYOR BELT, AND THE UNIT CAN BE PLACED ANYWHERE ON THE CONVEYOR BELT.**

The Model BSDC is a compact (reduced-size) version of our heavy duty “traction action” motion control that indicates when a conveyor belt has slowed or quit moving altogether. The unit can be adjusted as an overspeed, underspeed, or zero speed control. The output of the Model BSDC can be wired into a PLC or DCS, or to the optional RMS controller (or MSD controller) which has a DP/DT relay to control up to two separate circuits, one for machinery shutdown and one for an alarm.

The Model BSDC can shut down rotating equipment before damage is encountered. It provides protection for interlocked conveyor belts, especially if one of the belts fails due to overloading or quits due to tearing.

### MODELS

MODEL	DESCRIPTION	SHIP WT.
BSDC-2S	Wheel (traction action™) motion control, includes 12mm 2-wire (RMS-12S) inductive sensor and wheel target. Does not include optional RMS-G controller.	10 lbs.
BSDC-3S	Wheel (traction action™) motion control, includes (MSD-12S3) 12mm 3-wire inductive sensor and wheel target. Does not include optional MSD-800 controller.	10 lbs.
BSDC-0S	Wheel (traction action™) motion control, sensor not included. Does not include optional controller.	10 lbs.

## COMPATIBLE CONTROLLERS FOR BSD / BSDC

### MSD-800 CONTROLLERS

MODEL	DESCRIPTION	SHIP WT.
MSD-800	Panel mount style, indicates two under-speed or two over-speed points, or one of each. 100-240 VAC power input. Digital RPM tachometer display.	1.5 lbs.
MSD-800-24	Panel mount style, indicates two under-speed points, two over-speed points or one of each. 24 VDC power input. Digital RPM tachometer display.	1.5 lbs.

### RMS MOTION CONTROLLERS

MODEL	DESCRIPTION	SHIP WT.
RMS-1G	Non-contact motion control, includes: 120 VAC electronics *	1.5 lbs.
RMS-2G	Non-contact motion control, includes: 240 VAC electronics *	1.5 lbs.
RMS-3G	Non-contact motion control, includes: 24 VAC/VDC electronics *	1.5 lbs.

\* GENERAL PURPOSE NEMA TYPE 4 & 4X



MSD-800 control unit



RMS control unit