

Inductive Speed Controller

1 - 6000 revolutions per minute

non-contact speed monitoring of metals



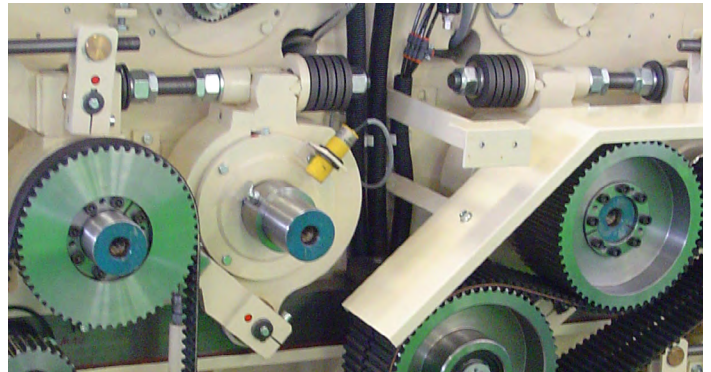
Compact inductive speed controller - General Information

Rotational speed monitoring is needed in many industries. Proxitron's inductive speed controller monitors machine speed including zero speed. Applications include conveyor belt continuity and worm gear operation to name a few.

The sensor switches when the speed is above or below the set point. The sensor including electronics is epoxied in a high quality M30 plastic case. An external controller is available from Proxitron but is not necessary. Cable in a variety of lengths and materials are available. A plug is as well.

The desired rotational speed can be quickly and easily saved with the Teach Function also during operation. The Teach Function allows programming of 1 – 6,000 rpm and a start-up time delay of 1 – 120 seconds. These can also be set using the external programming device PROXIBOX ID1.0.

- **Monitoring of conveyor belts, motors, worm gears, pumps, etc.**
- **Non-contact**
- **Unaffected by contamination and maintenance-free**
- **Monitoring of one speed level (IDL) or speed window (IDLA)**
- **Adjustable start-up delay**
- **Different supply voltages**
- **Various switching outputs**
- **Short circuit and reverse polarity protection**
- **Programming via Teach function or external device**
- **Cable or plug connection**
- **Protection class up to IP 68**



Type Code

Type*	IDL / IDLA						
Switching distance 10 mm flush	010						
Switching distance 15 mm non flush	015						
20 - 260 V AC/DC		0					
24 V DC		1					
10 - 55 V DC		3					
2-wire normally closed AC/DC			4				
2-wire normally open AC/DC			5				
PNP normally open + PNP normally closed			8				
Short circuit protection				G			
Fixed connection cable**							
Plug M12x1 DC						S4	
Plug M12x1 AC						S27	
Customer specific version							SA

* IDL: 1 switching point adjustable in the range 5-6000 rpm (1-3000 rpm in AC/DC version)
 IDLA: 2 switching points adjustable in the range 5-6000 rpm

** Connection cables are available in standard lengths of 2, 5, 10, 15 and 20 m made of PVC, PUR, silicone and PTFE.