

IND110 Load Cell Signal Converter

For Direct Interface to PLCs and other Control Equipment

Specifications				
Dimensions	Enclosure	Height	Width	Depth
	Converter only	2.9" (74mm)	3.9" (100mm)	2.2" (57mm)
	Type 4X	6.3" (159mm)	7.0" (178mm)	2.8" (70mm)
	Type 7/9	7.8" (197mm)	7.0" (178mm)	6.8" (172mm)
Mounting	35mm DIN rail (module only) or wall mount (optional enclosure)			
Power	20 to 28 VDC, 300 mA max, 8 watts Class 2 power supply 24 VDC power supply ordered separately, part number 64053820			
Load Cell Input	Excitation: 10 VDC, 120mA max, (4 – 350 ohm cells) Load cell range: 1.5 to 3 mV/V with full bridge Span adj. range: 25% to 110% of cell capacity @ 2mV/V Zero adj. range: 0 to 100% of load cell output @2mV/V			
Update Rate	20 per second			
Discrete Outputs/Setpoints	(1) Low & (1) High level output, open collector type, 5 to 25 VDC, 60mA max sink current.			
Analog Output	Signal: 4 to 20 mA, (1 mA to 24 mA limits) Load resistance: 0 to 500 ohms max. Output Linearity: +/- 0.012% max Temp Stability: <20 PPM/°C (span), 50 PPM/°C (zero)			
Calibration	DIP switch mode selection enables front panel calibration of load cell zero/span and setpoint low/high limits.			
Operating Temperature	-10°C to 45°C (14°F to 113°F)			
LED Indicators	Power: ON with external power applied HI : ON when load cell signal < high setpoint LO : ON when load cell signal < low setpoint			
Agency Approvals	UL, cUL, CE marked (UL file E139501 for module, E152336 for 7/9 enclosure)			



Features	Benefits
Compact Footprint	Uses minimal amount of valuable enclosure space
DIN rail mounting	Easy, fast installation
Setpoint outputs included	Provides user flexibility for system control based on setpoint status
Remote Sense Inputs	Provides load cell cable resistance compensation and allows for use with intrinsic safe barrier
Digital Filtering	Increases accuracy across entire weight range and in applications with vibration
Software based calibration	Provides simple and fast calibration, with zero calibration independent of span calibration value
Global Approvals	Provides product acceptance in local markets
Type 4X and 7/9 enclosure optionally available	Allows for use in a variety of applications, allowing the user to place the unit into an existing enclosure or can be supplied with a separate enclosure

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