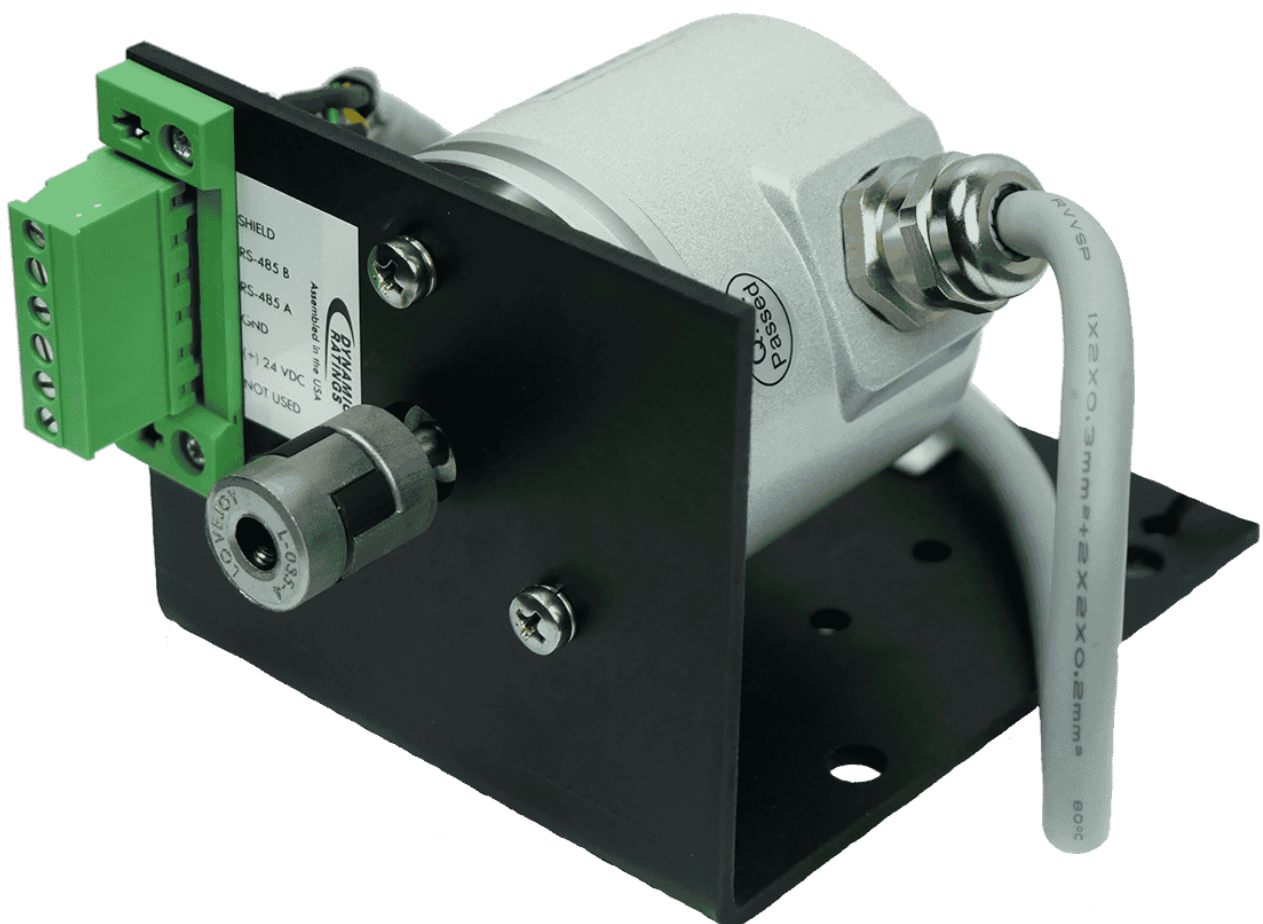


Tap-Position-Sensor

Dynamic Ratings

Distributed by AKRIBIS



Ensure Reliable Operation and Long Life

Easy to Configure

The tap position sensors' easy-to-use configuration tool provides a drop-down menu selection for auto-configuration for the most common types of tap changers. Once you select the Tap Type, all the other configuration details are automatically populated. If the tap changer is not included in the list, the Advanced Mode provides the ability to configure the sensor for any type of tap changer application.

Reliable and Resistant to Surges

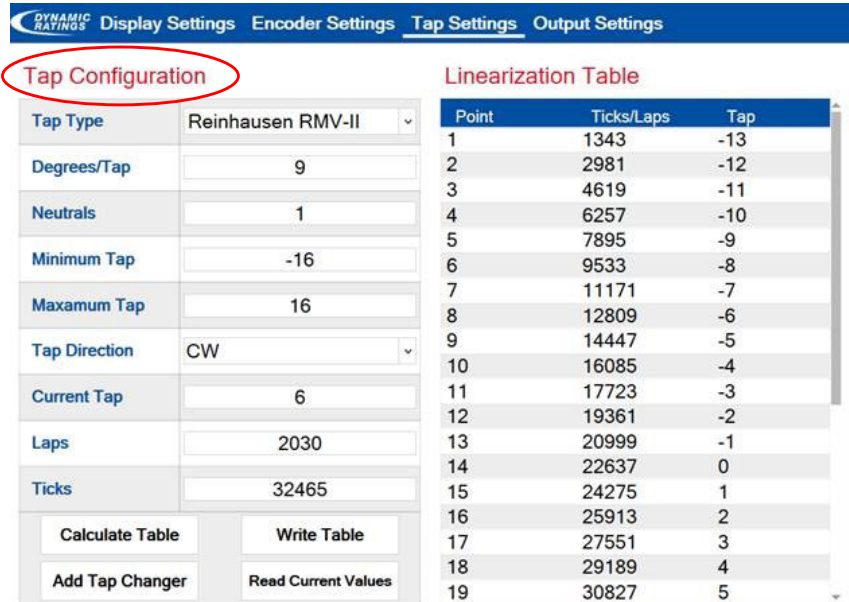
The optical encoder is robust and doesn't need to be disconnected during transformer impulse test and is resistant to failures due to lightning strikes or other system surges.

Pre-Engineered Installation

Mounting kits are available for the most common types of LTC drives making the installation quick and easy for most applications. The 3/16" shaft size and adaptor bracket provide an easy replacement solution for traditional tap sensors.

Cost Effective

The sensor provides a Modbus out put that can be read directly by a E3 or C50 Transformer Monitor, eliminating the cost of a discrete display. An optional display is available which can be provide with the sensor, providing a solution that provides notable savings compared to traditional tap sensor solutions. The display also provides a configurable output (typically 4-20 mA), allowing use with other brands of monitoring devices.

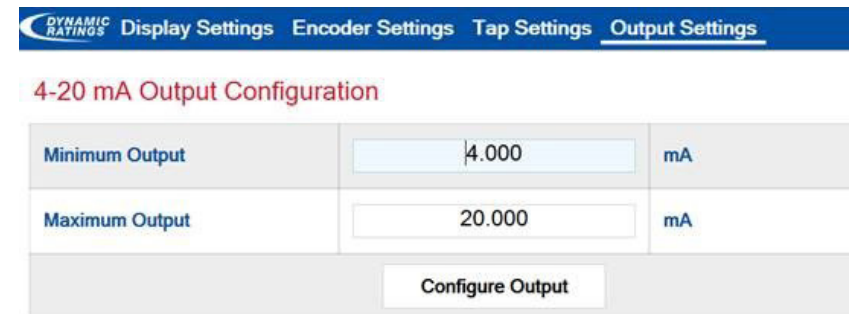


Tap Configuration

Tap Type	Reinhausen RMV-II
Degrees/Tap	9
Neutrals	1
Minimum Tap	-16
Maximum Tap	16
Tap Direction	CW
Current Tap	6
Laps	2030
Ticks	32465

Linearization Table

Point	Ticks/Laps	Tap
1	1343	-13
2	2981	-12
3	4619	-11
4	6257	-10
5	7895	-9
6	9533	-8
7	11171	-7
8	12809	-6
9	14447	-5
10	16085	-4
11	17723	-3
12	19361	-2
13	20999	-1
14	22637	0
15	24275	1
16	25913	2
17	27551	3
18	29189	4
19	30827	5



4-20 mA Output Configuration

Minimum Output	4.000	mA
Maximum Output	20.000	mA



Sensor Specifications

Power Requirements:	24 VDC or 120 VAC
Temperature Range:	-40°C to 70°C (-40°F to 158°F)
Communications:	Modbus (RS485)

Display Specifications

General Description:	Backlit, 7-segment, dual-line LED display provides a local indication of the tap position of the load tap changer. 8 brightness settings to ensure visibility in any lighting. Remote indication of the tap position via an RS485 Modbus connection or a 4-20 mA loop powered connection.
Power Requirements:	24 VDC or 120 VAC
Temperature Range:	-40°C to 70°C (-40°F to 158°F)
Communications:	Modbus (RS485), 4-20 mA (Loop Powered)

How to Order

Part Number	Description
SEN-0001	Tap Position Sensor with Standard Bracket Mount
SEN-0002	Tap Position Sensor with UZD Kit
SEN-0003	Tap Position Sensor with Flexible Adapter
SEN-0017	Tap Position Sensor with MD-III Kit (Typical Drive for RMV-II)
MOD-0013	Tap Position Display Module (24 VDC)
MOD-0014	Tap Position Display Module (120 VAC)



An ISO 9001, ISO 14001, ISO 27001, ISO 45001 Certified Company.

Americas
+1 262 746-1230
sales.us@dynamicratings.com

Asia Pacific
+61 3 8544-0700
sales.asia@dynamicratings.com

Europe/ Africa
+44 1617 681111
sales.eu@dynamicratings.com

www.dynamicratings.com

Request a quote from your regional office.

