

## INTELLIGENT LIMIT SWITCH

**MODEL: RMG-ILS2P-6R-26**



### DESCRIPTION

**RMG-ILS2P-6R-26** is a Loop powered 2 wire Limit Switch, widely used to determine the position and end of travel of a Control Valve / Power Cylinder / Electric Actuator in a variety of process control applications.

**This Instrument complies with (IP 67) Ingress Protection requirements as per the relevant IS/IEC standards.**

### SALIENT FEATURES

- Non-contact, Hall Effect sensor
- Embedded Design using Micro Controller.
- Accepts a wide supply voltage range.
- User friendly for easy installation and calibration.
- Wide operating temperature range.
- Minimal effect of ambient temperature variance on accuracy.
- Compact in size
- High accuracy with minimal Linearity and Hysteresis errors.
- High Isolation and Dielectric strength.
- Suitable for Rotary motion.
- Die-cast Aluminium enclosure capable of withstanding high hydro static pressure.

### APPLICATION

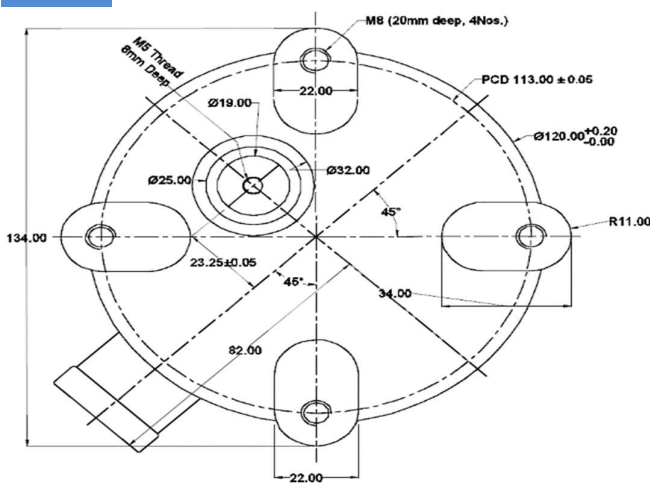
- All applications, where the end limit of a running system needs to be monitored.
- Process automation environment.
- Custom applications.



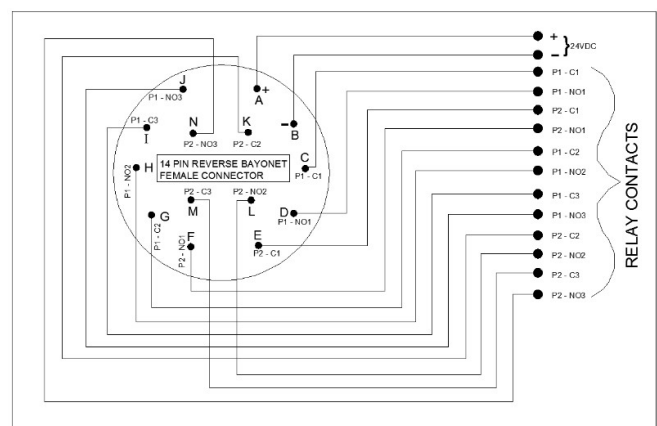
### OPEN VIEW WITH ACCESSORIES

**SPECIFICATIONS**  
**MODEL: RMG-ILS2P-6R-26**

Sl. No.	Characteristics	Specified Value
1	Input Operating Angle – Rotary	2°- 358°
2	Selection of positions	2 positions
3	Supply Voltage	24VDC +/-15%
4	Output	3 relays (Potential Free Contacts (SPDT) (10A/240VAC) C & NO contacts) for each position.
5	Design Logic	Microcontroller based Embedded Design
6	Adjustment and selection (Software Assisted)	Using Push Button switches
7	Position Display	3mm LED Indication for each position
8	Type tests qualified for Enclosure protection (Safety and Sealing)	Complies with IP 67 requirements of IS/IEC 60529-2001
9	Built in Protection	<ol style="list-style-type: none"> <li>1. Isolation at 500V DC <math>\geq 500</math> M<math>\Omega</math>.</li> <li>2. Dielectric strength <math>\geq 1.5</math>KV rms for 1 Minute.</li> <li>3. Reverse Polarity protected.</li> <li>4. Enclosure withstands hydrostatic pressure up to 10Kg/cm<sup>2</sup> for 1 minute.</li> </ol>
10	Cable entry	14pin Reverse Bayonet Male & female connector
11	Size	$\varnothing 134$ mm, Height – 147mm (including shaft)
12	Weight	$\leq 2.2$ Kg
13	Enclosure & finish	Aluminium (LM6) gravity die-cast; MRF PU based air-dry paint.
14	Accessories	Mounting fasteners.



**Mounting details**



**Connection diagram**

- Due to continuous product improvement initiatives, specification is subject to change.
- The images provided are for indicative purposes only. The accessories shown are part of standard supply.
- In addition, we design and manufacture Position Feedback Transmitters as per customer requirements / specifications.