

# **INSTRUCTION MANUAL OF LIMIT SWITCH (TL-W TYPE)**

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## **CAM TYPE LIMIT SWITCH**

⊙ TL - W



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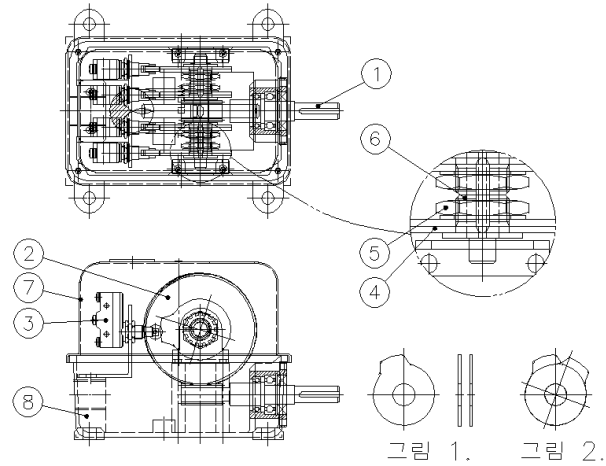
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## 1. OPERATION CONCEPT

THE WORM GEAR TYPE LIMIT SWITCH IS DESIGNED BY USING THE CONCEPT OF WORM AND WORM WHEEL, WHEN THE INPUT SHAFT OF WORM(1) TRANSMITS THE RPM FROM OUTSIDE TO WORM WHEEL(2), THE SWITCH IS ACTIVATED BY THE ROTATION OF CAM(4) WHICH IS ATTACHED AT WHEEL SHAFT. THERE ARE 3 KINDS OF REDUCTION RATIO (1/25,1/50, 1/100) AND THE ANGLE OF CAM(4) IS USED WITHIN 300°.

## 2. SCHEME



N O	I T E M	N O	I T E M
1	WORM(INPUT SHAFT)	5	CAM ADJUST NUT
2	WORM WHEEL	6	CAM ADJUST BRACKET
3	MICRO SWITCH	7	COVER
4	CAM	8	CASE

## 3. STANDARD

1) POINT OF CONTACT : 4b

2) SWITCH TYPE : ME-3

3) CONTACT CAPACITY : AC 125V / 15A

AC 250V / 10

4) TYPE

TYPE	GEAR RATIO	APPLICABLE REV.
TL-W100R4	1/100	80
TL-W050R4	1/50	40
TL-W025R4	1/25	20