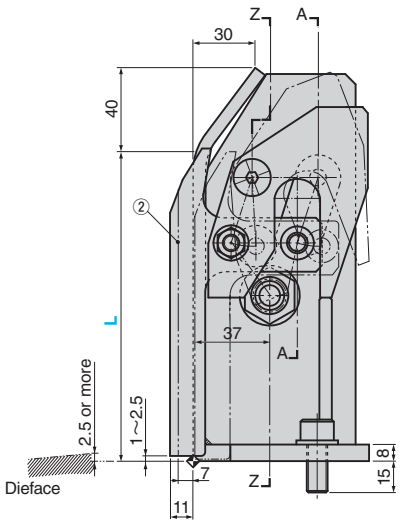
Panel Input Detector Gauge

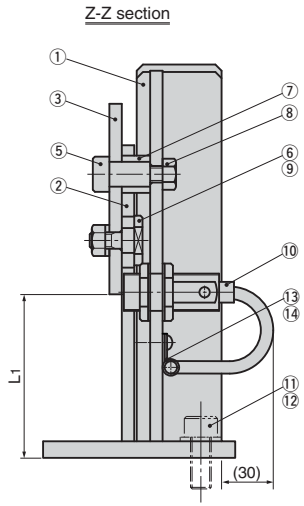
PAT. 3665012

PARALLEL LINK GAUGE SURFACE PLATING TYPE

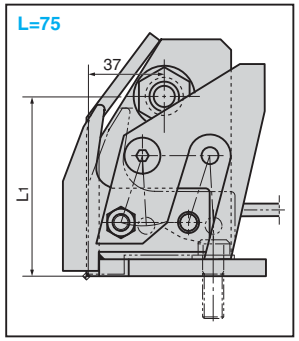
CAD FILE

HTKML (L Type)
HTKMR(R Type)





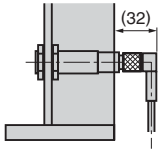
*This figure shows the L type.
The R type is symmetrical.



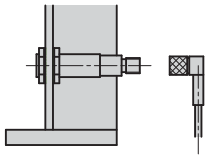
■**EFECTOR Connector (IG0348, UL Standard)**

- Operation power voltage
  AC/DC (common) 20V~250V
- Connector type (with Prevention mechanizm from loosening)
  Since the cable can be removed,replacement of the switch or wiring for adjustment is not required. (figure below)

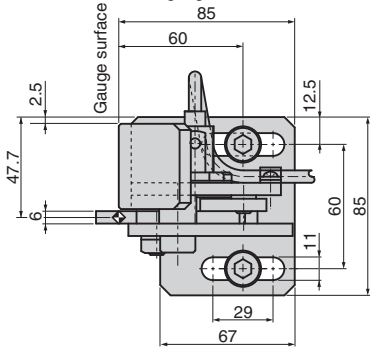
EFECTOR's Switch Mounting



* Connector (cable) is disconnected.



The switch is turned ON at the position 7 mm from the gauge surface.



*Cable length is 5 m

■**Table of Components**

No.	Description	Qty	Material and Remark
①	Gauge	1	SS400 plating
②	Detection Lever	1	SS400 plating
③	F Link	1	SS400
④	R Link	1	SS400
⑤	Shoulder Bolt	1	SCM435
⑥	Pin	1	S45C
⑦	Collar	1	SS400
⑧	Hexagon Nut	2	M8

No.	Description	Qty	Material and Remark
⑨	Flat Washer	1	M8
⑩	Proximity Switch (for AC)	(1)	E2E-X5Y1-MR by Omron
	Proximity Switch (for DC)	(1)	E2E-X5E1-5M by Omron
	Proximity Switch (for EC)	(1)	IGO348 by EFECTOR
⑪	Hexagon Socket Head Bolt	2	SCM435 M10×25
⑫	Flat Washer	2	For M10
⑬	Round Head Screw	1	M4×8
⑭	Cable clip	1	UC-1

L_1	Catalog No.	L	Switch Type
85	HTKML HTKMR	75	AC(24 to 240V)
30		100	DC(24V)
80		150	EC(EFECTOR Connector)
			SN(without switch)

Option

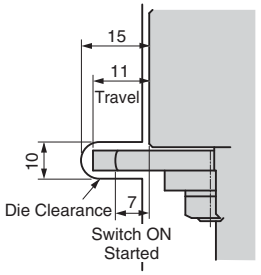
Option Code	Specification
M12	Mounting bolt hole width is changed to 13 (for M12).

Order

Catalog No.	L	–	Switch Type	–	Option
HTKML	100	–	AC	–	M12
HTKMR	150	–	SN		

■**Features of Unit**

- Since the detection lever moves parallel, the detection switch is activated regardless of vertical variation of the panel position.
- Position alignment and adjustment of the gauge mounting surface, the lever length and the lever support point are not required.
- Since the lower end of the detection lever moves almost horizontally, machining of the step between the die face and the gauge mounting surface is approx. 3 mm. It is great reduction of machining hours.
- The clearance depth at the detection lever for the die is approx. half of the conventional product.



Gauge