



⚠ Caution

- 1. Use the unit within the rated specifications.**
Failure to follow this instruction may result in fire or product damage.
- 2. Use dry cloth to clean the unit, and do not use water or organic solvent.**
Failure to follow this instruction may result in electric shock or fire.
- 3. Do not use the unit in the place where flammable/explosive/corrosive gas, humidity, direct sunlight, radiant heat, vibration, impact, or salinity may be present.**
Failure to follow this instruction may result in fire or explosion.
- 4. Do not supply power without load.**
Failure to follow this instruction may result in fire or product damage.

P	R	D	CM		T	18	-	7	DO	-	I			
										Standard	No mark	Standard type		
											I	IEC Standard type		
										Output	DO	DC 2-wire N.O.(Normally Open)		
											DC	DC 2-wire N.C.(Normally Closed)		
										Sensing distance	Number	Standard sensing distance (unit: mm)		
										Dimension	Number	Diameter of head (unit: mm)		
										Cable form	T	DC 2-wire		
										Body size	No mark	Standard type		
											L	Long body		
										Cable type	CM	Connector type		
										Feature	D	Long sensing distance type		
										Shape	R	Cylindrical type		
Item										P	Inductive proximity sensor			

		Normally Open	Normally Closed
	Sensing target	Presence Nothing	Presence Nothing
	Load	Operation Return	Operation Return
	Operation indicator(red LED)	ON OFF	ON OFF

✖ The above specifications are subject to change and some models may be discontinued without notice.
 ✖ Be sure to follow cautions written in the instruction manual and the technical descriptions (catalog, homepage).

※1: The response frequency is the average value. The standard sensing target is used and the width is set as 2 times of the standard sensing target, 1/2 of the sensing distance for the distance.

※2: The weight includes packaging. The weight in parenthesis is for unit only.

※Environment resistance is rated at no freezing or condensation.

◎ PRDCMT12-4D

◎ PRDCMT12-8D

(unit: mm)

Model	A	B
PRDCMT18-7D	33	58
PRDCMLT18-7D	62	87

Model	A	B
PRDCMT18-14D	23	58
PRDCMLT18-14D	52	87

Technical drawings of two types of hydraulic cylinders: PRDCMT30-15D and PRDCMT30-25D. Each drawing includes a front view (left) and a side view (right).

The front view shows a hexagonal base with a diameter of $\varnothing 42$ and a width of 35. The side view shows a cylinder with a total length of 25, a mounting bracket with a width of 10, and a mounting hole with a diameter of $\varnothing 12$. The cylinder has a thread of M30x1.5 and a mounting bracket with a thread of M12x1. The side view also shows an "Operation indicator (red)" and a dimension "A" for the cylinder length.

Below the drawings are two tables: one for PRDCMT30-15D and one for PRDCMT30-25D. The PRDCMT30-15D table shows dimensions A=38 and B=63 for the first configuration, and A=60 and B=85 for the second configuration. The PRDCMT30-25D table shows dimensions A=28 and B=63 for the first configuration, and A=50 and B=85 for the second configuration.

Model	A	B
PRDCMT30-15D□□	38	63
PRDCMLT30-15D□□	60	85

Model	A	B
PRDCMT30-25D□□	28	63
PRDCMLT30-25D□□	50	85

 Cable length (2: 2m, 5: 5m)
 • CID2- (I)

M12
 40
 Ø14.8
 Ø5
 2m (5m)

• CLD2- (I)

M12
 27.5
 Ø14.8
 Ø5
 32
 2m (5m)

(unit: mm)

Model	PRDCMT12-4D ☐	PRDCMT12-8D ☐	PRDCMT18-7D ☐ PRDCMLT18-7D ☐	PRDCMT18-14D ☐ PRDCMLT18-14D ☐	PRDCMT30-15D ☐ PRDCMLT30-15D ☐	PRDCMT30-25D ☐ PRDCMLT30-25D ☐
Item	24	48	42	84	90	150
B	24	36	36	54	60	90
ℓ	0	11	0	14	0	15
$\emptyset d$	12	36	18	54	30	90
m	12	24	21	42	45	75
n	18	36	27	54	45	90

- Setting distance (Sa): Sensing distance×70%
E.g.) PRDCMT18-7DO-I
Setting distance(Sa) = 7mm × 0.7 = 4.9mm

[Figure 1]

Figure 1 shows a perspective view of the mounting bracket. It is an L-shaped component with a central hole for a nut. The bracket is shown in a perspective view, highlighting its three-dimensional structure.

1. Follow instructions in 'Cautions during Use'. Otherwise, it may cause unexpected accidents.
2. 12-24VDC power supply should be insulated and limited voltage/current or Class 2, SELV power supply device.
3. Use the product, after 0.8 sec of supplying power.
4. Wire as short as possible and keep away from high voltage lines or power lines, to prevent surge and inductive noise.
Do not use near the equipment which generates strong magnetic force or high frequency noise (transceiver, etc.).
In case installing the product near the equipment which generates strong surge (motor, welding machine, etc.), use diode or varistor to remove surge.
5. This unit may be used in the following environments.
 - ① Indoors (in the environment condition rated in 'Specifications')
 - ② Altitude max. 2,000m
 - ③ Pollution degree 2
 - ④ Installation category II

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