

Manual

IPS Position sensors

■ Features

- Quick and easy setting
- No mechanical adjustment necessary
- High repeatability
- PNP, NPN output
- IP 67

■ Applications

- Automatic tool change of spindles (ATC)
- Stroke control of rotary cylinder (Chuck)
- Mechanical displacement and limit setting

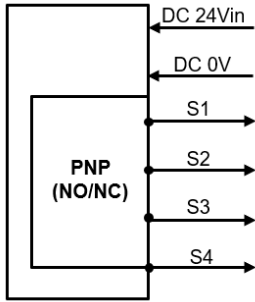
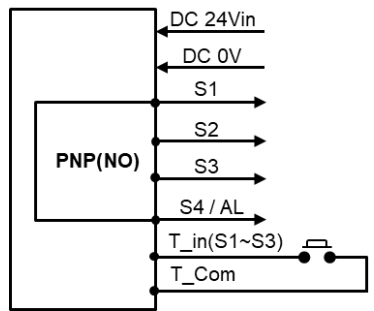
■ Products overview

Product Series	IPS					Programmer
Model	1101P(N)	1301P(N)	1601P	1601D	4001D	ATU 161
Programmer	PRS 252 / PCS 251		PRS 252	ATU 161		N/A
Effective Distance	11 mm	13 mm	16 mm	16 mm	40 mm	N/A
Output Type	P:3 x PNP N:3 x NPN (NO/NC)		4 x PNP (NO)	N/A		3 x PNP (NO)
Switching Frequency	2000 Hz			N/A		2000 Hz
Supply Voltage	24V ± 10%			N/A		24V ± 10%
Power Consumption -No load	< 30 mA			N/A		< 30 mA
Output Current	< 50 mA			N/A		< 50 mA
Sensing Gap (mm)	0.5 ± 0.1			0.5 ± 0.1	2.0 ± 1.0	N/A
Repeatability	< ± 0.05 mm					N/A
Operating Temperature	-20~80 °C					
Protection	IP 67					IP 54
Size (mm)	29x26.5x16	21x15x15	40x33x21	40x33x21	70x30x16	80x50x20
Sensing Block Width	≥ 4 mm	≥ 4 mm	≥ 5 mm	≥ 5 mm	≥ 10 mm	N/A
Cable length	0.5 m	0.5 m	0.5m	0.5 m	6m	N/A

■ Dimensions & Images

	Dimensions	Images
IPS 1101P(N)		
IPS 1301P(N)		
IPS 1601P(D)		
IPS 4001D		

■ Configuration and settings

Programmer model	PRS-252	ATU-161
With IPS models	IPS 1101P(N) / 1301P(N) / 1601P	IPS 1601D / 4001D
Functions	- Up to 4 positions to set up - Tolerance setting for each position - Switching times recording and reset	3 positions to set up - Over sensing distance alarm (S4/AL) - Tolerance setting for each position - Switching times recording and reset - External teach-in
Setting method		
Programmer Images		