

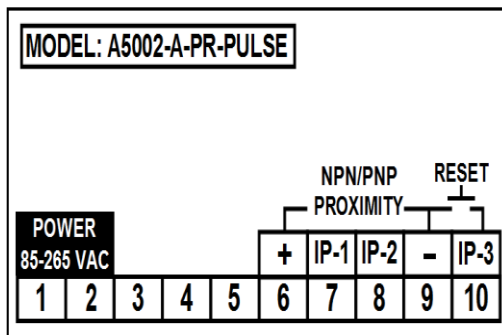
# Aptus Automation

## COUNTER User Manual

### TECHNICAL SPECIFICATIONS

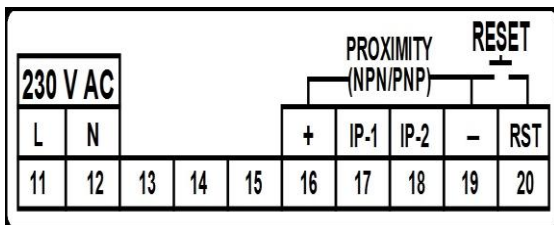
**Product Name** : counter  
**Model No.** : A5002-X-PR-PULSE  
**Input** : PROXIMITY (npn/pnp), RESET (npn)  
**Output** : -  
**Power Supply** : 230VAC  $\pm$  10%, 50Hz.  
**Display** : 6 digit seven segment display

#### A5002-A (96x96mm) Terminal Details:



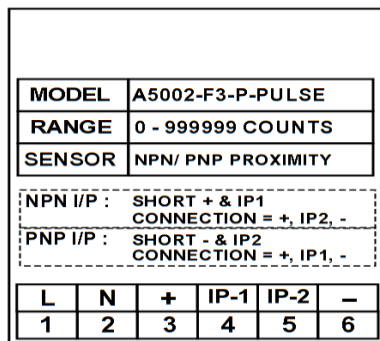
| Input Type    | A5002-A-PR-PULSE                                                             |
|---------------|------------------------------------------------------------------------------|
| 230V AC Power | Terminal <b>L &amp; N</b>                                                    |
| PROXY (npn)   | Short Terminal: <b>+</b> , <b>IP1</b> , connect proxy: <b>+, - &amp; IP2</b> |
| PROXY (pnp)   | Short Terminal: <b>-</b> , <b>IP2</b> , connect proxy: <b>+, - &amp; IP1</b> |
| RESET (npn)   | Terminal: <b>IP2 &amp; -</b>                                                 |

#### A5002-F (48x96mm) Terminal Details:



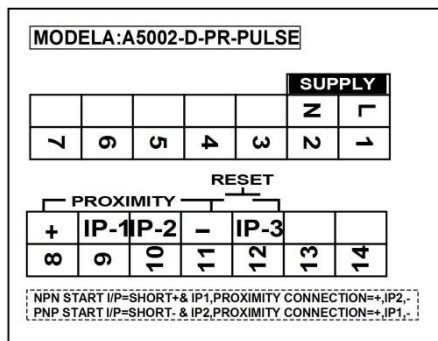
| Input Type    | A5002-F-PR-PULSE                                                             |
|---------------|------------------------------------------------------------------------------|
| 230V AC Power | Terminal <b>L &amp; N</b>                                                    |
| PROXY (npn)   | Short Terminal: <b>+</b> , <b>IP1</b> , connect proxy: <b>+, - &amp; IP2</b> |
| PROXY (pnp)   | Short Terminal: <b>-</b> , <b>IP2</b> , connect proxy: <b>+, - &amp; IP1</b> |
| RESET (npn)   | Terminal: <b>IP2 &amp; -</b>                                                 |

#### A5002-F3(60x36) Terminal Details:



| Input Type    | A5002-F3-PR-PULSE                                                            |
|---------------|------------------------------------------------------------------------------|
| 230V AC Power | Terminal <b>L &amp; N</b>                                                    |
| PROXY (npn)   | Short Terminal: <b>+</b> , <b>IP1</b> , connect proxy: <b>+, - &amp; IP2</b> |
| PROXY (pnp)   | Short Terminal: <b>-</b> , <b>IP2</b> , connect proxy: <b>+, - &amp; IP1</b> |

### A5002-D(72x72mm) Terminal Details:



| Input Type    | A5002-D-PR-PULSE                                  |
|---------------|---------------------------------------------------|
| 230V AC Power | Terminal L & N                                    |
| PROXY (npn)   | Short Terminal: +, IP1, connect proxy: +, - & IP2 |
| PROXY (pnp)   | Short Terminal: -, IP2, connect proxy: +, - & IP1 |
| RESET (npn)   | Terminal: IP2 & -                                 |

### PARAMETER MENU:

- Press the RST key for 1 sec when power-on to go into setting mode. Change parameter using RST key. Then wait for 5 sec to auto-exit & save value.

| KEY | DISPLAY | FUNCTION                                                                                                                                                                                            | RANGE                     |
|-----|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| RST | FAST    | <b>SPEED:</b> Select the speed of pulse input.<br>Ultra-Low: used for RPM range < 500.<br>Low: used for RPM range < 1500.<br>Medium: used for RPM range < 5000.<br>FAST: used for RPM range > 5000. | UL LOW/ LOW/ mEdIUm/ FAST |

### Working:

- ✓ Running counts will increment as proxy input sense.
- ✓ If Back Reset input sense or Front Reset key press, Running counts will reset.