

| Category | Sub Cat 1 | Sub Cat 2 |
|----------|-----------|-----------|
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Digital IO Status

Digital Inputs

Digital Input Status Validity - Base Unit

Digital Input Status - Base Unit

Digital Outputs

Digital Output Status Validity - Base Unit

Digital Output Status - Base Unit

Detected Alarm Status

Detected Status

Standard - 1 second Group 1 Validity

Standard - 1 second Group 1

Standard - 1 second Group 2 Validity

Standard - 1 second Group 2

Standard - 1 second Group 3 Validity

Standard - 1 second Group 3

Custom - 1 second Validity

Custom - 1 second

Standard - High Speed Group 1 Validity

Standard - High Speed Group 1

Standard - High Speed Group 2 Validity

Standard - High Speed Group 2

Custom - High Speed Validity

Custom - High Speed

Disturbance Validity

Disturbance

Transient Validity
Transient
Waveshape Validity
Waveshape
Unary Validity

Unary

Digital Group 1 Validity

Digital Group 1

Logic Validity

Logic

| Description Access Via Function Code 0x01 and 0x02 | PM5500 | | Reference Register | Bit | Coil |
|---|--------|--|-----------------------|-----|-------|
| | | | | | |
| | Y | | | | |
| | Y | | | | |
| | Y | | | | |
| Base Unit Digital Input 1 Validity | Y | | 2400 | 0 | 38400 |
| Base Unit Digital Input 2 Validity | Y | | 2400 | 1 | 38401 |
| Base Unit Digital Input 3 Validity | Y | | 2400 | 2 | 38402 |
| Base Unit Digital Input 4 Validity | Y | | 2400 | 3 | 38403 |
| | Y | | | | |
| Base Unit Digital Input 1 | Y | | 2401 | 0 | 38416 |
| Base Unit Digital Input 2 | Y | | 2401 | 1 | 38417 |
| Base Unit Digital Input 3 | Y | | 2401 | 2 | 38418 |
| Base Unit Digital Input 4 | Y | | 2401 | 3 | 38419 |
| | Y | | | | |
| | Y | | | | |
| Base Unit Digital Output 1 Validity | Y | | 2402 | 0 | 38432 |
| Base Unit Digital Output 2 Validity | Y | | 2402 | 1 | 38433 |
| | Y | | | | |
| Base Unit Digital Output 1 | Y | | 2403 | 0 | 38448 |
| Base Unit Digital Output 2 | Y | | 2403 | 1 | 38449 |
| | Y | | | | |
| | Y | | | | |
| | Y | | | | |
| Over Current, Phase Validity | Y | | 2420 | 0 | 38720 |
| Under Current, Phase Validity | Y | | 2420 | 1 | 38721 |
| Over Current, Neutral Validity | Y | | 2420 | 2 | 38722 |
| Over Current, Ground Validity | Y | | 2420 | 3 | 38723 |
| Over Voltage, L-L Validity | Y | | 2420 | 4 | 38724 |
| Under Voltage, L-L Validity | Y | | 2420 | 5 | 38725 |
| Over Voltage, L-N Validity | Y | | 2420 | 6 | 38726 |
| Under Voltage, L-N Validity | Y | | 2420 | 7 | 38727 |
| Over Power, Active Validity | Y | | 2420 | 8 | 38728 |
| Over Power, Reactive Validity | Y | | 2420 | 9 | 38729 |
| Over Power, Apparent Validity | Y | | 2420 | 10 | 38730 |
| Leading Power Factor, True Validity | Y | | 2420 | 11 | 38731 |
| Lagging Power Factor, True Validity | Y | | 2420 | 12 | 38732 |
| Leading Power Factor, Displacement Validity | Y | | 2420 | 13 | 38733 |
| Lagging Power Factor, Displacement Validity | Y | | 2420 | 14 | 38734 |
| Over Demand, Active Power, Present Validity | Y | | 2420 | 15 | 38735 |
| | Y | | | | |
| Over Current, Phase | Y | | 2421 | 0 | 38736 |
| Under Current, Phase | Y | | 2421 | 1 | 38737 |
| Over Current, Neutral | Y | | 2421 | 2 | 38738 |
| Over Current, Ground | Y | | 2421 | 3 | 38739 |
| Over Voltage, L-L | Y | | 2421 | 4 | 38740 |
| Under Voltage, L-L | Y | | 2421 | 5 | 38741 |
| Over Voltage, L-N | Y | | 2421 | 6 | 38742 |
| Under Voltage, L-N | Y | | 2421 | 7 | 38743 |
| Over Power, Active | Y | | 2421 | 8 | 38744 |
| Over Power, Reactive | Y | | 2421 | 9 | 38745 |

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|--|---|------|---|-------|
| | Y | | | |
| | Y | | | |
| | Y | | | |
| | Y | | | |
| | Y | | | |
| Meter Power Up (Control Power Loss) Validity | Y | 2440 | 0 | 39040 |
| Meter Reset Validity | Y | 2440 | 1 | 39041 |
| Meter Diagnostic Validity | Y | 2440 | 2 | 39042 |
| Phase Reversal Validity | Y | 2440 | 3 | 39043 |
| | Y | | | |
| Meter Power Up (Control Power Loss) | Y | 2441 | 0 | 39056 |
| Meter Reset | Y | 2441 | 1 | 39057 |
| Meter Diagnostic | Y | 2441 | 2 | 39058 |
| Phase Reversal | Y | 2441 | 3 | 39059 |
| | Y | | | |
| Digital Alarm DI1 Validity | Y | 2442 | 0 | 39072 |
| Digital Alarm DI2 Validity | Y | 2442 | 1 | 39073 |
| Digital Alarm DI2 Validity | Y | 2442 | 2 | 39074 |
| Digital Alarm DI2 Validity | Y | 2442 | 3 | 39075 |
| | Y | | | |
| Digital Alarm DI1 | Y | 2443 | 0 | 39088 |
| Digital Alarm DI2 | Y | 2443 | 1 | 39089 |
| Digital Alarm DI2 | Y | 2443 | 2 | 39090 |
| Digital Alarm DI2 | Y | 2443 | 3 | 39091 |
| | Y | | | |
| Logic Alarm 1 Validity | Y | 2456 | 0 | 39296 |
| Logic Alarm 2 Validity | Y | 2456 | 1 | 39297 |
| Logic Alarm 3 Validity | Y | 2456 | 2 | 39298 |
| Logic Alarm 4 Validity | Y | 2456 | 3 | 39299 |
| Logic Alarm 5 Validity | Y | 2456 | 4 | 39300 |
| Logic Alarm 6 Validity | Y | 2456 | 5 | 39301 |
| Logic Alarm 7 Validity | Y | 2456 | 6 | 39302 |
| Logic Alarm 8 Validity | Y | 2456 | 7 | 39303 |
| Logic Alarm 9 Validity | Y | 2456 | 8 | 39304 |
| Logic Alarm 10 Validity | Y | 2456 | 9 | 39305 |
| | Y | | | |
| Logic Alarm 1 | Y | 2457 | 0 | 39312 |
| Logic Alarm 2 | Y | 2457 | 1 | 39313 |
| Logic Alarm 3 | Y | 2457 | 2 | 39314 |
| Logic Alarm 4 | Y | 2457 | 3 | 39315 |
| Logic Alarm 5 | Y | 2457 | 4 | 39316 |
| Logic Alarm 6 | Y | 2457 | 5 | 39317 |
| Logic Alarm 7 | Y | 2457 | 6 | 39318 |
| Logic Alarm 8 | Y | 2457 | 7 | 39319 |
| Logic Alarm 9 | Y | 2457 | 8 | 39320 |
| Logic Alarm 10 | Y | 2457 | 9 | 39321 |

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