



Reliable & Innovative

AISHWARYA ENTERPRISES

334/1F, Agarwal School Road, KNG Pudur Pirivu, Thadagam Road, Coimbatore - 641108.

Ph: 94864-25781, 98421-35781

MANUAL PULSE GENERATOR:



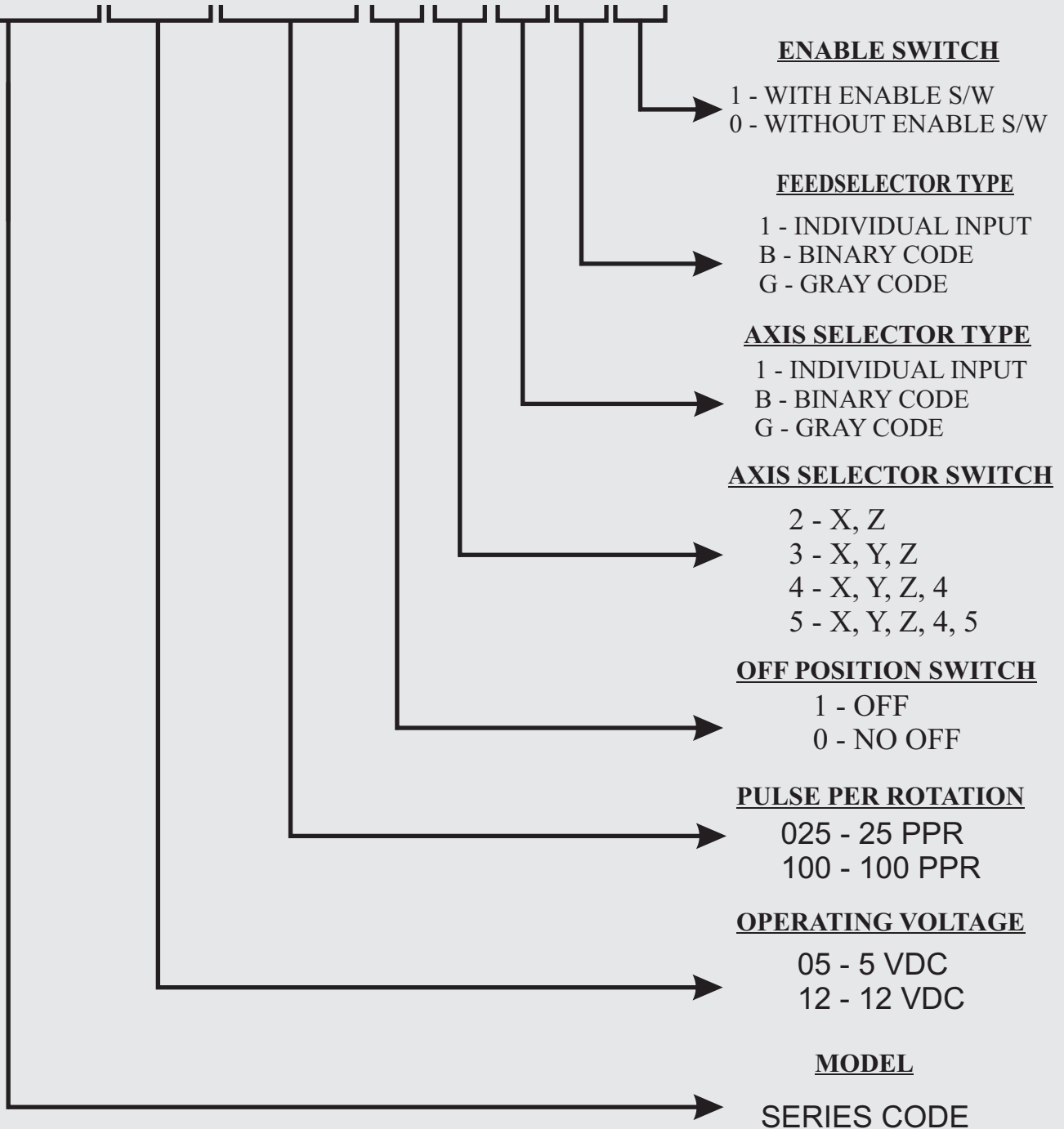
A manual pulse generator (MPG) is a device for generating electrical pulses (short bursts of low current) in electronic systems under the control of a human operator (manually). MPGs are used on computer numerically controlled (CNC) machine tools, on some microscopes, and on other devices that use precise component positioning. A typical MPG consists of a rotating knob that generates pulses that are sent to an equipment controller. The controller will then move the piece of equipment a predetermined distance for each pulse. Several selector switches control the handwheel's output. One switch allows each of the machine's axes (X, Y, Z, and so on) to be selected in another switch shifts through several ranges of output, so that one click of the wheel is either one minimum increment, 10 times that, or 100 times

FEATURES

- * CNC Controls for Fanuc, Mitsubishi, Siemens.
- * Multiplier x1, x10, x100 and axis selector Switches.
- * 5v TTL outputs (Point to point).
- * IP 65, enclosure protection.
- * Std. 2 or 3mtr. extended spiral cable.
- * Magnetic back cover.
- * LED indication available.

ORDERING INFORMATION:

FMPG AA BBB C D E F G



ORDERING EXAMPLE:

If you need to order a MPG of 12v input with 25 pulse per rotation with off position enabled and rotatory Axes selector switch with 5 axes binary code and multiplier selector switch with gray code. For the above mentioned information the ordering code is as follows:

FMPG1202505BG0



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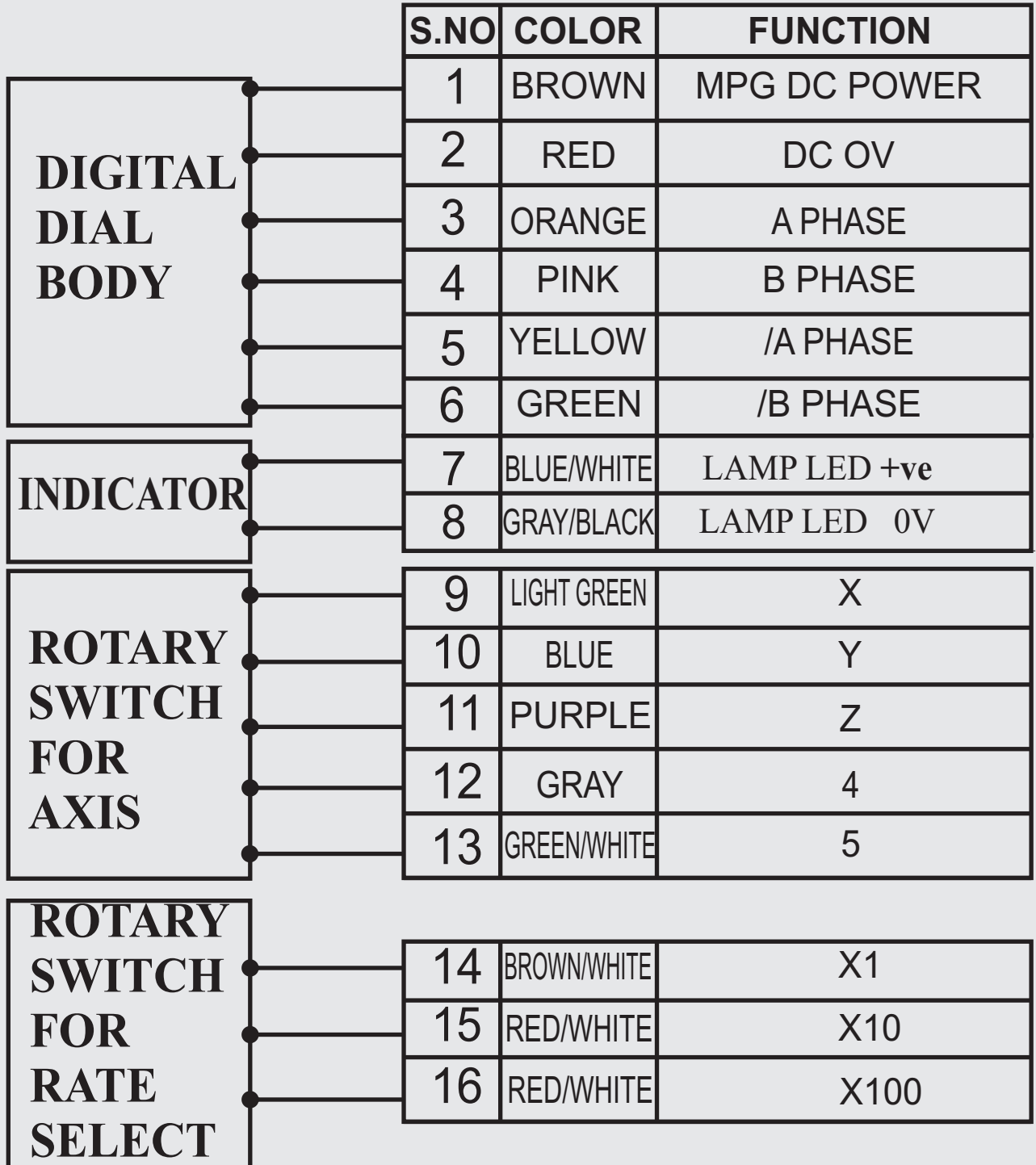
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CONNECTION DIAGRAM:

FMPG SERIES

FLASH MANUAL PULSE GENERATOR



OUTPUT TRUTH TABLE:

INDIVIDUAL OUTPUTS

**AXIS SELECTOR
SWITCH CODE:**

OFF	0	0	0	0	0
X	0	0	0	0	1
Y	0	0	0	1	0
Z	0	0	1	0	0
4	0	1	0	0	0
5	1	0	0	0	0

**FEED SELECTOR
SWITCH CODE:**

X1	0	0	1
X10	0	1	0
X 100	1	0	0

**AXIS SELECTOR
SWITCH CODE:**

OFF	0	0	0	0	0
X	0	0	0	0	1
Y	0	0	0	1	0
Z	0	0	0	1	1
4	0	0	1	0	0
5	0	0	1	0	1

BINARY OUTPUTS

**FEED SELECTOR
SWITCH CODE:**

X1	0	0	0
X10	0	0	1
X 100	0	1	0

**AXIS SELECTOR
SWITCH CODE:**

OFF	0	0	0	0	0
X	0	0	0	0	1
Y	0	0	0	1	1
Z	0	0	0	1	0
4	0	0	1	1	0
5	0	0	1	1	1

GRAY OUTPUTS

**FEED SELECTOR
SWITCH CODE:**

X1	0	0	0
X10	0	0	1
X 100	0	1	1