THUMBWHEEL PRESET SWITCHES

Series 88

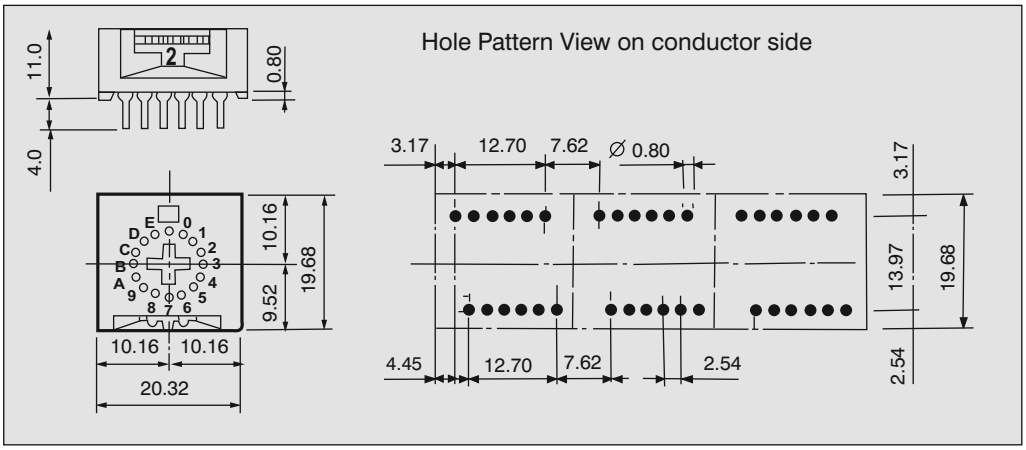
DESCRIPTION:

Series 88 is a PCB mountable Thumb Wheel Switch offering the most economical method of handsetting coded values. It eliminates wiring, requires minimum space and can be mounted horizontally or vertically to suit the application. 10 or 16 legend locations assure readability from top or side. Series 88 can be set by knurled wheel, screwdriver or optional extended shaft and the finished bezel allows front panel mounting. Optional stops, coloured rotors, or special making are available.

FEATURES

- Direct PCB mountable
- Allows front panel operation
- Optional marking/colour available
- Contacts insert moulded
- Available in various Truth Tables/Codes
- Occupies in small volume

DIMENSIONAL DETAILS



All Dimensions in mm.

SPECIFICATIONS

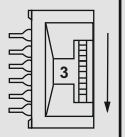
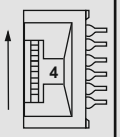
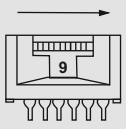
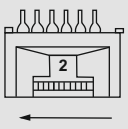
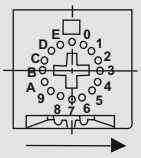
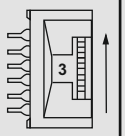
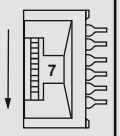
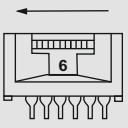
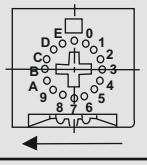
CONTACT RATING	:	Switching 100mA max. @ 28 V DC : Carrying 1A @ 28 VDC
CONTACT RESISTANCE	:	Less than 100 milli ohms initial @ 2-6 V DC, 100 mA.
INSULATION RESISTANCE (dry)	:	More than 100 Megohms (DC 500 V megger)
DIELECTRIC STRENGTH	:	500 V RMS min @ sea level
ELECTRICAL LIFE	:	10,000 cycles
OPERATING TEMP	:	-25°C to +70°C
NO. OF POSITIONS	:	10 or 16 (stops available)

MATERIALS & FINISHES

PLASTIC COMPONENTS	:	Nylon (GF-30%)
STATOR CONTACT	:	Copper alloy, hard gold plated over nickel*
MOVING CONTACT	:	Glass epoxy PCB, gold plated Over nickel

*The contacts are insert moulded to prevent contamination by solder flux.

ORIENTATION OF SWITCH

ACW ROTATION					
ORDER CODE	A2	A4	A5	A8	TOP VIEW
CW ROTATION					
ORDER CODE	C1	C3	C6	C7	TOP VIEW

Arrows indicate direction of rotation for increasing numbers. All thumbwheels can be rotated in both directions. Legend is both onthe top and side as shown. For any other marking on top and side consult factory

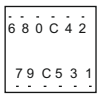
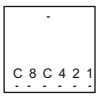
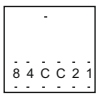
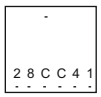
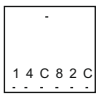
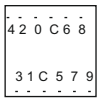
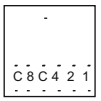
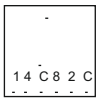
Views shown are of thermal side of switch with thumb-wheel opening at top.

CW Clockwise

ACW Anticlockwise

Note - All "C" ir "C" terminals must be connected together external to switch

TERMINAL IDENTIFICATION

CODE	31	10/22	41	16/61	57
CW					
ACW					

SEE TRUTH TABLE (B13) FOR OUTPUT DETAILS

OUTPUT CODES

Order Code	Description
10	SPDT repeating ; 10 pos. (+, - or 0, 5 alternating)
22	BCD 1-2-4-8 ; 10 pos.
31	Decimal 1p 10 pos.
41	Complement of BCD 1-2-4-8; 10 pos.
16	Hexadecimal 1-2-4-8; 16 pos.
61	Hexadecimal complement 1-2-4-8 ; 16 pos.
57	BCD 1-2-4-8 with separate common to Not-True-Bits ; 10 pos.

(For other output codes consult factory)

PLEASE SEE TABLE (ABOVE) FOR TERMINAL IDENTIFICATION FOR CODES

BODY COLOUR

Order Code	Colour
B	Black
G	Grey

WHEEL COLOUR

Order Code	Colour
B	Black
R	Red

ORDERING CODE **8 8** ☐☐ ☐☐ ☐ ☐

10/2011 ISSUE 03, DCR 1182

integral
INTEGRAL SYSTEMS AND COMPONENTS PRIVATE LIMITED
D-388/1, 1st Block, 1st Stage, Peenya Industrial Estate, Bangalore - 560 058, India
Telefax: (080) 2839 1707 / 2839 1708 / 2839 1709 / 2839 1710
An ISO 9001:2008 Company **Website:** www.integralsys.in **E-mail:** inty.systems@gmail.com / sales@integralsys.in