



INDEX

CONDITIONS OF SALE

1. **GENERAL** All quotations are made and all orders are accepted subject to the following terms and conditions and no addition thereto or variation therein shall be made unless agreed in writing by the parties.

2. **CATALOGUES** Catalogues and other advertising matter are only an indication of the types of goods offered and do not form part of our contract.

3. **PRICES** Prices in any price list we may publish are subject to alteration or withdrawal without notice. Unless a quotation has specified that the prices quoted are fixed for the duration of delivery of the goods specified and quantified in the quotation, quoted prices which are accepted and at which an order is placed are subject to alteration, at not less than one month's notice, to cover any increase in wages and/or material costs incurred during production of the order.

4. **DESPATCH** Any times quoted for despatch are to be treated as estimates only and we shall not be liable for failure to despatch within such time. In all cases, whether a time for despatch be quoted or not, the time for despatch shall be extended by a reasonable period if delay in despatch is caused by instructions or lack of instructions from you, or by industrial dispute, or by any cause whatsoever beyond our reasonable control.

5. **DELIVERY** Unless otherwise specified in our quotation or otherwise agreed the cost of carriage and insurance for delivery is payable by you and will be charged in addition to the net price of the goods. Risk in the goods shall pass on delivery.

6. **REJECTION** Unless otherwise agreed, goods rejected by you as not complying with the contract must be so rejected within 14 days of receipt by you.

7. **TERMS OF PAYMENT** Strictly net cash payable 30 days from invoice date.

8. **RETENTION OF TITLE** Full and complete title to the goods shall remain with us until payment in full of the price therefor. Until such payment you shall have possession of the goods as bailee for us and shall store the goods in such a way as to ensure they remain identified as our property. If the goods are combined by you with other items or materials or used in the production of other items or materials we shall retain full and complete title to the goods so long as they remain capable of removal or separation from the resulting items. We have the right to repossess any goods where payment is overdue and for this purpose you shall permit us access to your premises during normal business hours.

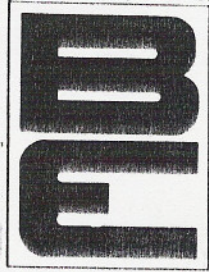
9. **EXPORT** Unless otherwise specified all prices quoted for export shipments are ex-works Pontcynon. Packaging and cases are charged extra and are not returnable. All accounts for exported goods are to be paid for in Sterling.

10. **SHIPPING SPECIFICATIONS** These are approximate only, and we do not accept responsibility for extra freight incurred if our cases exceed dimensions or gross weights previously quoted by us.

11. **TOOLS AND PATTERNS** Where a customer pays for part cost of dies, moulds, patterns, plates or other tools, they shall nevertheless be and remain our property, and be retained by us, available for use in connection with such customer's requirements.

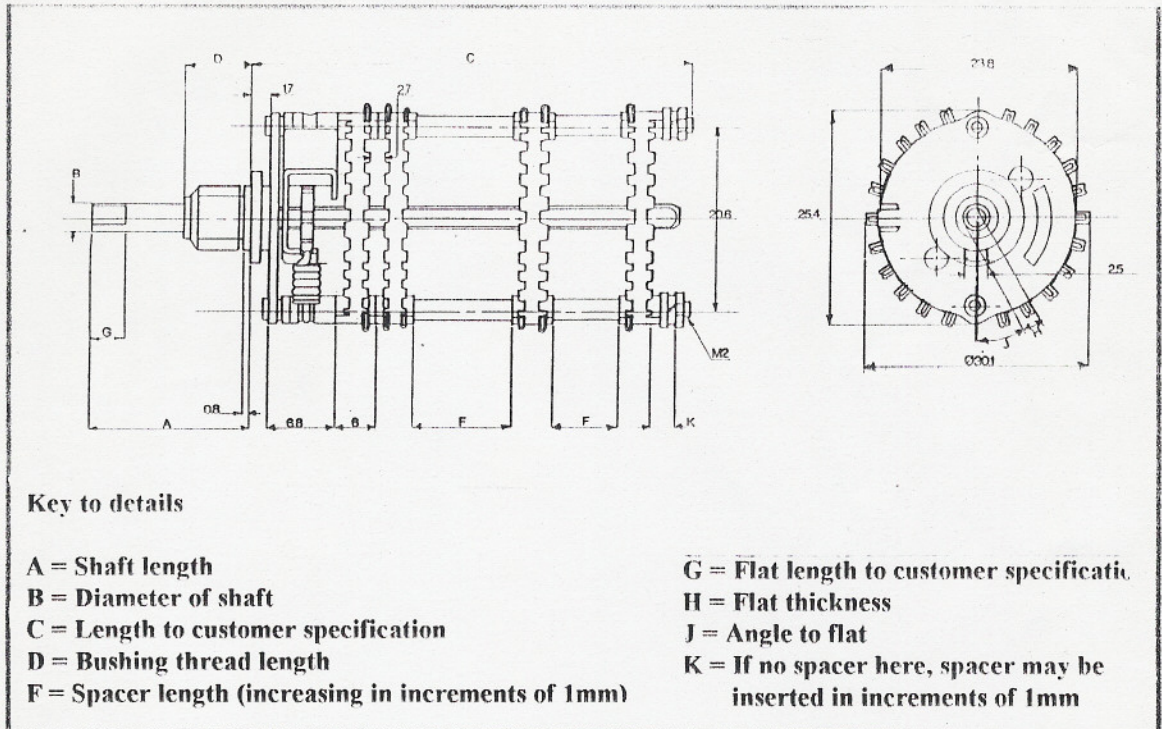
12. **GENERAL**
(a) We may terminate all our obligations to you and/or stop any goods in transit and/or suspend further deliveries with immediate effect if you shall be in breach hereof and shall fail to remedy such breach within 7 days of notice requiring such remedy.
(b) We shall not be liable to you for any loss or damage which may be suffered by you as a direct or indirect result of the supply of goods by us being prevented, hindered or delayed by reason of circumstances or events beyond our reasonable control.
(c) These conditions shall be governed by and construed in all respects in accordance with English Law and the parties hereby submit to the jurisdiction of the English Courts.

Type PXM	
Rotary Wafer Switch	2
Type PXR	
Rotary Wafer Switch	3
Type PYR	
Rotary Wafer Switch	4
Type PY	
Rotary Wafer Switch	5
Type PY Switch with	
Heavy Duty Mechanism	6
Type PZ	
Rotary Wafer Switch	7
Type 72	
Multibank Rotary Switch	8
Type 142	
Rotary Switch	9
Type [®] MINIBANK	
Miniature Rotary Switch	10
Type AR	
Rotary Mains Switch	11
Series 45	
Carbon Composition	
Potentiometers	12
Spring Loaded Terminals	16



TYPE PX

New addition to catalogue!
PX Type Rotary Wafer Switch



SWITCH PROPERTIES

The PX rotary wafer switch is available as a 30 degree indexing switch with up to 12 ways and 7 poles.

All other specifications as type PXM and PXR.

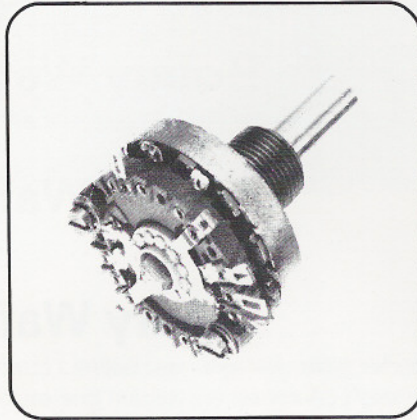
Optional features include:-

- CONCENTRIC SHAFTS,
- PANEL AND SPINDLE SEALS,
- PRINTED CIRCUIT TERMINATION,
- ADJUSTABLE STOP,
- ELECTROSTATIC SCREENS,
- FACILITIES FOR FITTING MAINS SWITCHES,
- POTENTIOMETERS AND POTENTIOMETERS WITH MAINS SWITCHES.



Type PXM Rotary Wafer Switch

The Type PXM Rotary Wafer Switch has 23.8mm diameter moulded wafers and is available in three versions; 30°, 36° and 60° indexing. Optional features include; concentric shafts, panel and spindle seals, printed circuit terminations, adjustable stop, electrostatic screens and facilities for fitting mains switches, potentiometers and potentiometers with mains switches.



ELECTRICAL SPECIFICATION

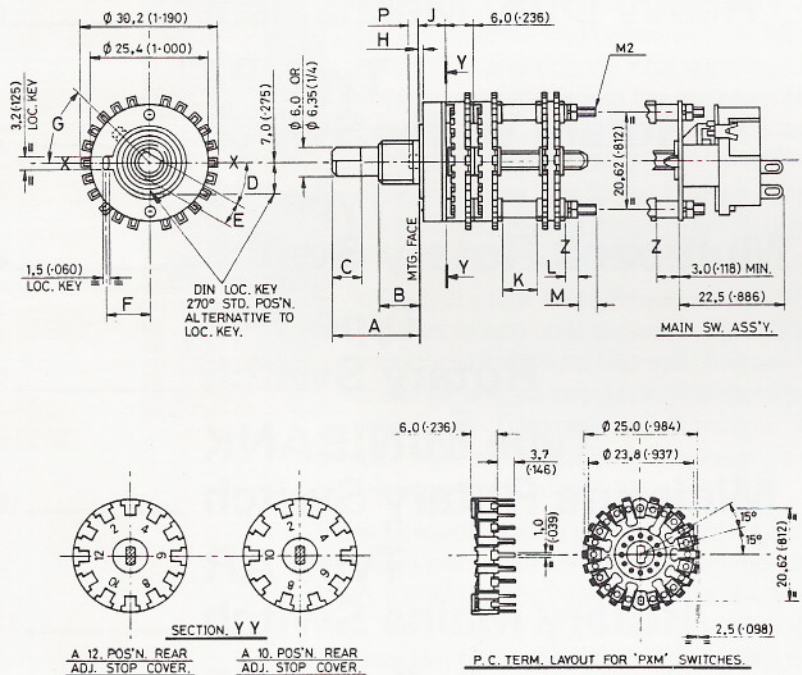
Maximum Working Voltage	300V ac (rms) or dc
Contact Rating	
Current Carrying	2 Amp Continuous
Current Breaking with Resistive Load	25 Watt ac or 15 Watt dc Recommended max Voltage 300V ac and max current 500mA ac, dc
Proof Voltage	1000V ac (rms) minimum
Insulation Resistance (All Paths)	Greater than 10 ⁶ Megohms
Contact Resistance (Initial) (After 20,000 Cycles)	2-10 Milliohms Not greater than 5 Milliohms above initial

MECHANICAL SPECIFICATION

End Stop Strength	1.7Nm (15lb ins)
Maximum Switching per Wafer	

Poles	1	2	3	4	5	6	7	
Ways	12	9	5	4	3	2	2	30° Indexing
Ways	10	6	4	3				36° Indexing
Ways	6	6	3	3				60° Indexing

DIMENSIONS IN millimetres. (inch equiv.)



CONTACTS

Standard - Brass Silver Plated. Silver Alloy or Brass Gold Plated contacts are also available

ROTOR BLADES

Make Before Break or Break Before Make

INSULATION

Stator - Moulded Diallylphthalate (D.A.P.)
Rotor - Acetal Resin (Delrin)

FINISH

Standard - Zinc Plated and Passivated. Other finishes are available to order

MOUNTING DETAILS

Imperial (Standard)	Bush $\frac{3}{8}$ x 32 TPI (White) Shaft 0.25" diameter Nut 0.531" A/F
Metric (if specified)	Bush M10 x 0.75 Shaft 6mm diameter Nut 14mm A/F
Metric (if specified)	Bush M7 x 0.75 Shaft 4mm diameter Nut 12mm A/F

Key to Details

- A. Shaft Length to specification
- B. Bushing Thread Length. Imperial 9.5 (0.375") or 6.35 (0.25") metric 8.0, 10.0 or 12.0
- C. Flat Length to specification. Special shaft trims may be provided to special requirement
- D. Angle of Flat to specification $\pm 2^\circ$. Specify position of flat with switch shaft in fully anti-clockwise position when viewed from knob end.
- E. Flat Thickness to specification standard 5.54 ± 0.05 (.218" \pm .002).
- F. Distance of locating key centre line to centre line of shaft, 9.5 (0.375").
- G. Angle of Locating Key: Type PXM 0° & 45°
- H. Bushing Shoulder: Type PXM 0.81 (0.032")
- J. Type PXM 6.0 (0.236") Standard and variable stop version
- K. Wafers are self stacking. Spacing between wafers can be provided in 1mm increments.
- L. If no spacer 2.7 (0.106") spacers may be inserted at this point in 1mm (0.039) increments.
- M. As Required
- P. Locating Lug Lengths
Unsealed Type PXM 1.6 (0.063") above Mounting Face
Sealed Type PXM 0.06/0.30 (0.002"/0.012") below Mounting Face

Type PXR Rotary Wafer Switch

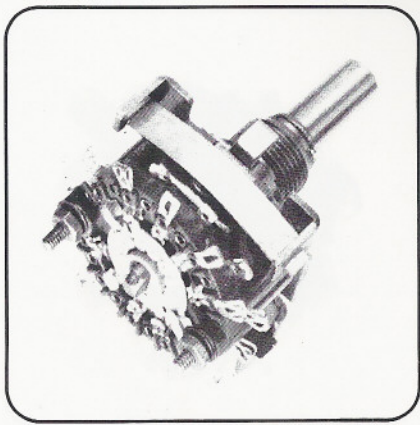


ELECTRICAL SPECIFICATION

Maximum Working Voltage 300V ac (rms) or dc

Contact Rating

Current Carrying	2 Amp Continuous
Current Breaking with Resistive Load	25 Watt ac or 15 Watt dc
	Recommended max Voltage 300 V ac and max current 500mA ac, dc
Proof Voltage	1000V ac (rms) minimum
Insulation Resistance (All Paths)	Greater than 10 ⁶ Megohms
Contact Resistance (Initial)	2-10 Milliohms
(After 20,000 Cycles)	Not greater than 5 Milliohms above initial



The Type PXR Rotary Wafer Switch has 23.8mm diameter moulded wafers and is available in three versions; 30°, 36°, 45° and 60° indexing. Optional features include; concentric shafts, panel and spindle seals, printed circuit terminations, adjustable stop, electrostatic screens and facilities for fitting mains switches, potentiometers and potentiometers with mains switches.

MECHANICAL SPECIFICATION

End Stop Strength 1.7Nm (15lb ins)

Maximum Switching per Wafer

Poles	1	2	3	4	5	6	7	
Ways	12	9	5	4	3	2	2	30° Indexing
Ways	10	6	4	3				36° Indexing
Ways	8	7	3	3				45° Indexing
Ways	6	6	3	3				60° Indexing

CONTACTS

Standard - Brass Silver Plated. Silver Alloy or Brass Gold Plated contacts are also available

ROTOR BLADES

Make Before Break or Break Before Make

INSULATION

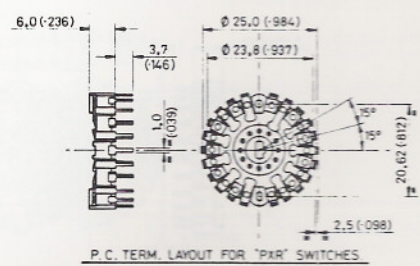
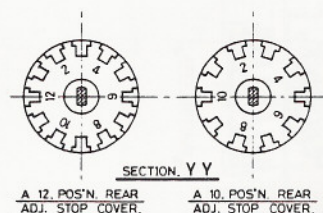
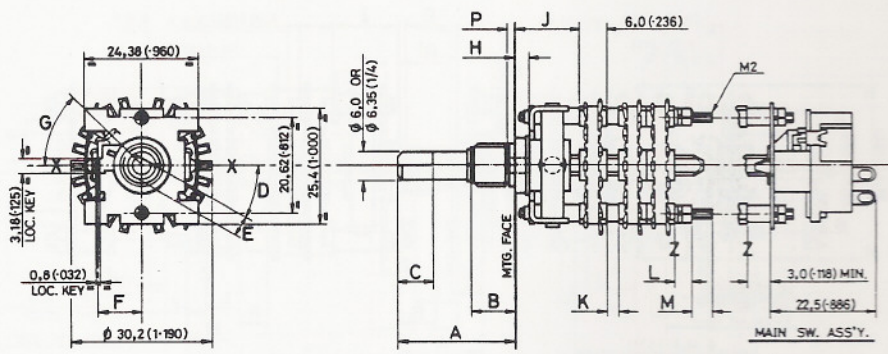
Stator - Moulded Diallylphthalate (D.A.P.)
Rotor - Acetal Resin (Delrin)

FINISH

Standard - Zinc Plated and Passivated. Other finishes are available to order

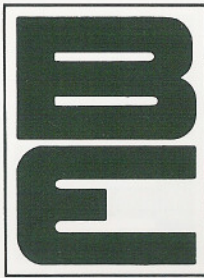
MOUNTING DETAILS

Imperial (Standard)	Bush 3/8" x 32 TPI (Whit)
	Shaft 0.25" diameter
	Nut 0.531" A/F
Metric (if specified)	Bush M10 x 0.75
	Shaft 6mm diameter
	Nut 14mm A/F
Metric (if specified)	Bush M7 x 0.75
	Shaft 4mm diameter
	Nut 12mm A/F



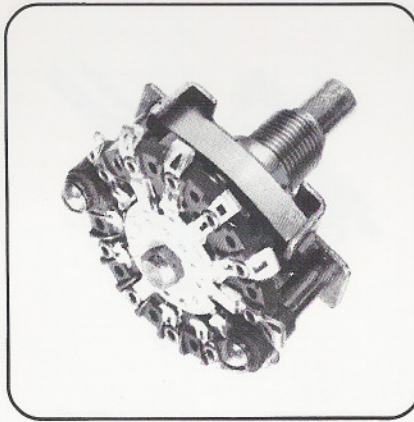
Key to Details

- A. Shaft Length to specification
- B. Bushing Thread Length. Imperial 9.5 (0.375") or 6.35 (0.25") metric 8.0, 10.0 or 12.0
- C. Flat Length to specification. Special shaft trims may be provided to special requirement
- D. Angle of Flat to specification ± 2°. Specify position of flat with switch shaft in fully anti-clockwise position when viewed from knob end.
- E. Flat Thickness to specification standard 5.54 ± 0.05 (.218" ± .002).
- F. Distance of locating key centre line to centre line of shaft, 9.5 (0.375").
- G. Angle of Locating Key: Type PXR 0° & 45°
- H. Bushing Shoulder: Type PXR 3.16 (0.125")
- J. Type PXR 12.16 (0.478") Standard and variable stop version this dimension is increased by 1mm for variable stop version.
- K. Wafers are self stacking. Spacing between wafers can be provided in 1mm increments.
- L. If no spacer 2.7 (0.106") spacers may be inserted at this point in 1mm (0.039) increments.
- M. As Required
- P. Locating Lug Lengths
Unsealed Type PXR 2.0 (0.078") above Mounting Face
Sealed Type PXR 0.05/0.15 (0.002"/0.006") below Mounting Face



Type PYR Rotary Wafer Switch

The Type PYR Rotary Wafer Switch has 31.8mm diameter moulded wafers and is available in four versions; 30°, 36°, 45° and 60° indexing. Optional features include; concentric shafts, panel and spindle seals, printed circuit terminations, adjustable stop, electrostatic screens and facilities for fitting mains switches, potentiometers and potentiometers with mains switches.



ELECTRICAL SPECIFICATION

Maximum Working Voltage	300V ac (rms) or dc
Contact Rating	
Current Carrying	5 Amp
Current Breaking with Resistive Load	25 Watt ac or 15 Watt dc Recommended max Voltage 300V ac and max current 500mA ac, dc
Proof Voltage	1000V ac (rms) minimum
Insulation Resistance (All Paths)	Greater than 10 ⁶ Megohms
Contact Resistance (Initial) (After 20,000 Cycles)	2-10 Milliohms Not greater than 5 Milliohms above initial

MECHANICAL SPECIFICATION

End Stop Strength	1.7Nm (15lb ins)
Maximum Switching per Wafer	

Poles	1	2	3	4	5	6	7	
Ways	12	9	5	4	3	2	2	30° Indexing
Ways	10	6	4	3				36° Indexing
Ways	8	7	3	3				45° Indexing
Ways	6	6	3	3				60° Indexing

CONTACTS

Standard - Brass Silver Plated. Silver Alloy or Brass Gold Plated contacts are also available

ROTOR BLADES

Make Before Break or Break Before Make

INSULATION

Stator - Moulded Diallylphthalate (D.A.P.)
Rotor - Acetal Resin (Delrin)

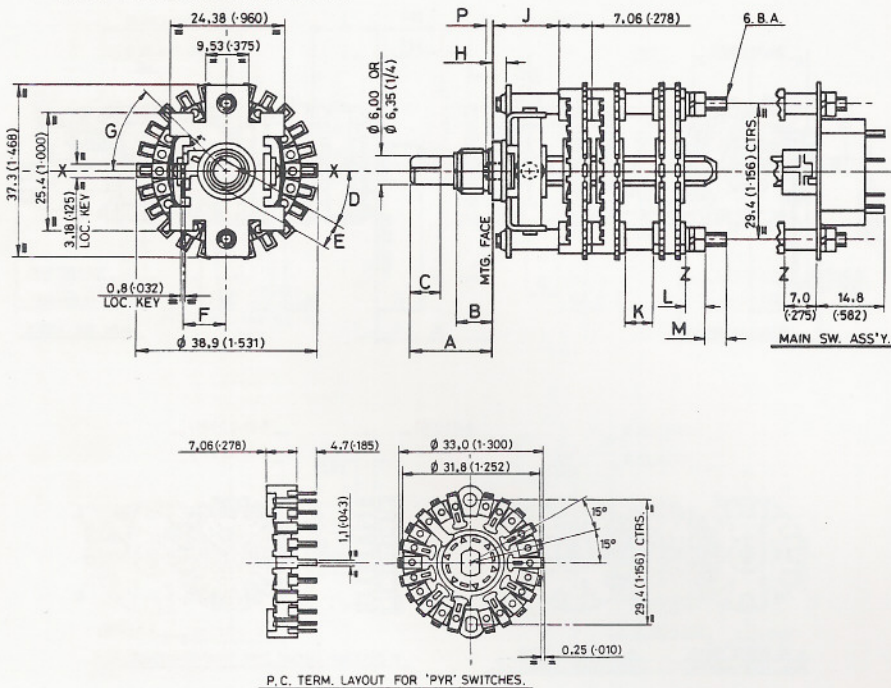
FINISH

Standard - Zinc Plated and Passivated. Other finishes are available to order

MOUNTING DETAILS

Imperial (Standard)	Bush 3/8 x 32 TPI (Whit) Shaft 0.25" diameter Nut 0.531" A/F
Metric (if specified)	Bush M10 x 0.75 Shaft 6mm diameter Nut 14mm A/F
Metric (if specified)	Bush M7 x 0.75 Shaft 4mm diameter Nut 12mm A/F

Dimensions in millimetres (Inch equiv.)



Key to Details

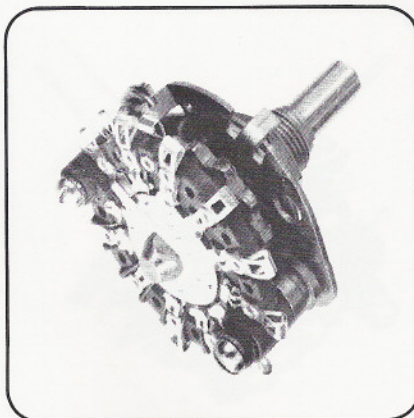
- | | |
|---|--|
| <p>A. Length of Shaft to specification</p> <p>B. Bushing Thread Length. Imperial 9.5 (0.375") or 6.35 (0.25") metric 8.0, 10.0 or 12.0</p> <p>C. Flat Length to specification. Special shaft trims may be provided to special requirement</p> <p>D. Angle of Flat to specification ± 2°. Specify position of flat with switch shaft in fully anti-clockwise position when viewed from knob end.</p> <p>E. Flat Thickness to specification standard 5.54 ± 0.05 (0.218" ± 0.02).</p> <p>F. Distance of locating key centre line to centre line of shaft 13.5 (0.531")</p> <p>G. Angle of Locating Key: Type PYR 0° & 45°</p> | <p>H. Bushing Shoulder: Types PYR 3.16 (0.125")</p> <p>J. Type PYR with clips on front of wafer 13.16 (0.518") with clips on rear of wafer 12.16 (0.479")</p> <p>K. Wafers are self stacking, spacing between wafers can be provided in 1mm increments.</p> <p>L. If no spacer 4.0 (0.157") spacers may be inserted at this point in 1mm increments.</p> <p>M. As Required</p> <p>P. Locating Lug Lengths
Unsealed Type PYR 2.0 (0.078") above Mounting Face
Sealed Type PYR 0.05/0.15 (0.002"/0.006") below Mounting Face</p> |
|---|--|



Type PY Rotary Wafer Switch

ELECTRICAL SPECIFICATION

Maximum Working Voltage	300V ac (rms) or dc
Contact Rating	
Current Carrying	5 Amp
Current Breaking with Resistive Load	25 Watt ac or 15 Watt dc Recommended max Voltage 300V ac and max current 500mA ac, dc
Proof Voltage	1000V ac (rms) minimum
Insulation Resistance (All Paths)	Greater than 10^6 Megohms
Contact Resistance (Initial)	2-10 Milliohms
(After 20,000 Cycles)	Not greater than 5 Milliohms above initial



The Type PY Rotary Wafer Switch has 31.8mm diameter moulded wafers and is available with 30° indexing. Optional features include; concentric shafts, panel and spindle seals, printed circuit terminations, adjustable stop, electrostatic screens and facilities for fitting mains switches, potentiometers and potentiometers with mains switches.

MECHANICAL SPECIFICATION

End Stop Strength	1.7Nm (15lb ins)
Maximum Switching per Wafer	

Poles	1	2	3	4	5	6	7	30° Indexing
Ways	12	9	5	4	3	2	2	
Ways								
Ways								
Ways								

CONTACTS

Standard - Brass Silver Plated. Silver Alloy or Brass Gold Plated contacts are also available

ROTOR BLADES

Make Before Break or Break Before Make

INSULATION

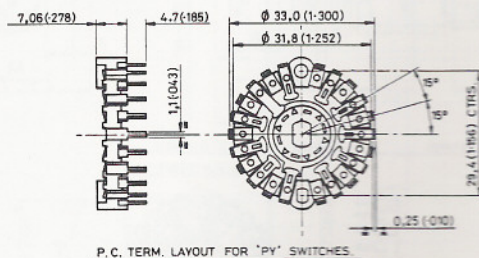
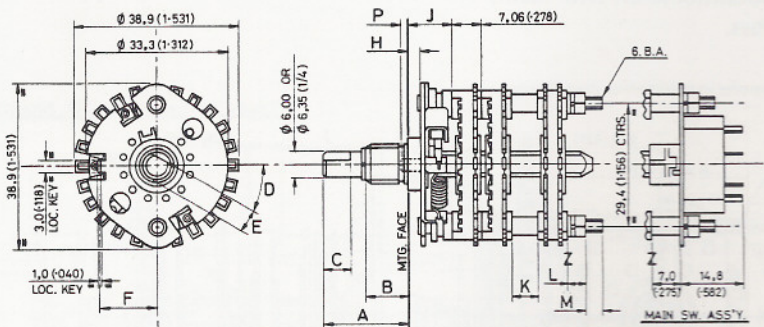
Stator - Moulded Diallylphthalate (D.A.P.)
Rotor - Acetal Resin (Delrin)

FINISH

Standard - Zinc Plated and Passivated. Other finishes are available to order

MOUNTING DETAILS

Imperial (Standard)	Bush $\frac{3}{8}$ x 32 TPI (Whit) Shaft 0.25" diameter Nut 0.531" A/F
Metric (if specified)	Bush M10 x 0.75 Shaft 6mm diameter Nut 14mm A/F
Metric (if specified)	Bush M7 x 0.75 Shaft 4mm diameter Nut 12mm A/F



Key to Details

- A. Length of Shaft to specification
- B. Bushing Thread Length. Imperial 9.5 (0.375") or 6.35 (0.25") metric 8.0, 10.0 or 12.0
- C. Flat Length to specification. Special shaft trims may be provided to special requirement
- D. Angle of Flat to specification $\pm 2^\circ$. Specify position of flat with switch shaft in fully anti-clockwise position when viewed from knob end.
- E. Flat Thickness to specification standard 5.54 ± 0.05 (0.218" \pm 0.002).
- F. Distance of locating key centre line to centre line of shaft 13.5 (0.531")
- G. Angle of Locating Key: Type PY as shown
- H. Bushing Shoulder: Type PY 3.16 (0.125")
- J. Type PY 10.5 (0.413")
- K. Wafers are self stacking, spacing between wafers can be provided in 1mm increments.
- L. If no spacer 4.0 (0.157") spacers may be inserted at this point in 1mm increments.
- M. As Required
- P. Locating Lug Lengths
Unsealed Type PY 1.6 (0.063") above Mounting Face
Sealed Type PY 0.05 (0.002")/0.006" below Mounting Face

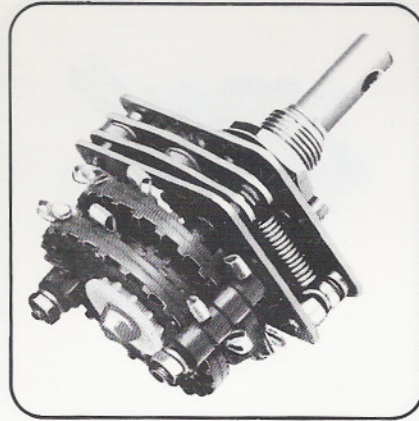


Type PY Switch with Heavy Duty Mechanism

The Type PY Rotary Wafer Switch with Heavy Duty Mechanism is comprised of a hardened steel indexing wheel fitted to the spindle and deflecting a hardened steel roller, housed between two bearing arms and tensioned by the finest quality high tensile coil spring.

The Type PY Heavy Duty Switch has 31.8mm diameter moulded wafers and is available in three versions; 30°, 60° and 90° spring return indexing.

Optional features include; concentric shafts, panel and spindle seals, printed circuit terminations, adjustable stop, electrostatic screens and facilities for fitting mains switches, potentiometers and potentiometers with mains switches.



ELECTRICAL SPECIFICATION

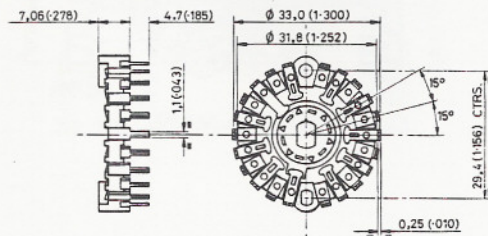
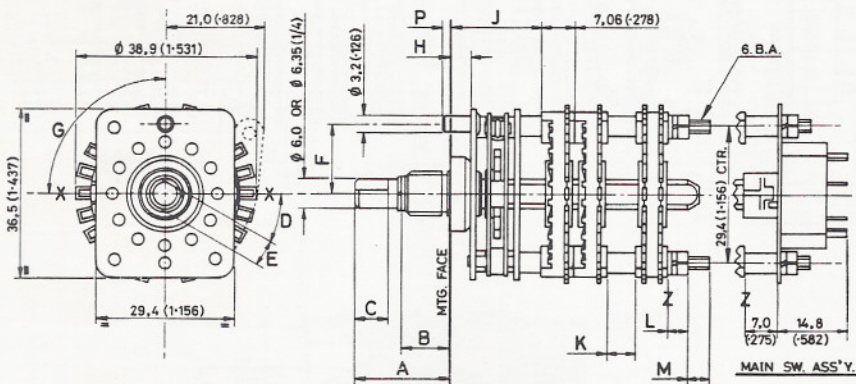
Maximum Working Voltage	300V ac (rms) or dc
Contact Rating	
Current Carrying	5 Amp
Current Breaking with Resistive Load	25 Watt ac or 15 Watt dc
	Recommended max Voltage 300V ac and max current 500mA ac, dc
Proof Voltage	1000V ac (rms) minimum
Insulation Resistance (All Paths)	Greater than 10 ⁶ Megohms
Contact Resistance (Initial) (After 20,000 Cycles)	2-10 Milliohms Not greater than 5 Milliohms above initial

MECHANICAL SPECIFICATION

End Stop Strength	1.7Nm (15lb ins)
Maximum Switching per Wafer	

Poles	1	2	3	4	5	6	7	30° Indexing
Ways	12	9	5	4	3	2	2	
Ways								
Poles	6	6	3	3				60° Indexing
Ways	4	4						
Poles								90° Indexing
Ways								

Dimensions in millimetres (Inch Equiv.)



P.C. TERM. LAYOUT FOR 'PY HD' SWITCHES.

CONTACTS

Standard - Brass Silver Plated. Silver Alloy or Brass Gold Plated contacts are also available

ROTOR BLADES

Make Before Break or Break Before Make

INSULATION

Stator - Moulded Diallylphthalate (D.A.P.)
Rotor - Acetal Resin (Delrin)

FINISH

Standard - Zinc Plated and Passivated. Other finishes are available to order

MOUNTING DETAILS

Imperial (Standard)	Bush 3/8 x 32 TPI (Whit) Shaft 0.25" diameter Nut 0.531" A/F
Metric (if specified)	Bush M10 x 0.75 Shaft 6mm diameter Nut 14mm A/F
Metric (if specified)	Bush M7 x 0.75 Shaft 4mm diameter Nut 12mm A/F

Key to Details

- A. Length of Shaft to specification
- B. Bushing Thread Length. Imperial 9.5 (0.375") or 6.35 (0.25") metric 10.0
- C. Flat Length to specification. Special shaft trims may be provided to special requirements
- D. Angle of Flat to specification ± 2°. Specify position of flat with switch shaft in fully anti-clockwise position when viewed from knob end.
- E. Flat Thickness to specification. Standard 5.54 ± 0.05 (0.218" ± 0.002).
- F. Distance of locating key centre line to centre line of shaft 15.1 (0.593")
- G. Angle of Locating Key: 90° or 270°
- H. Bushing Shoulder: 3.16 (0.125")
- J. Dimension to first wafer 14.28 (0.562")
- K. Wafers are self stacking, spacing between wafers can be provided in 1mm (0.039") increments.
- L. If no spacer 4.0 (0.157") spacers may be inserted at this point in 1mm (0.039") increments.
- M. As Required
- P. Locating Lug Lengths
Unsealed 1.58 (0.062") above Mounting Face
Sealed 0.05/0.15 (0.002"/0.006") Below Mounting Face

Type PZ Rotary Wafer Switch



ELECTRICAL SPECIFICATION

Maximum Working Voltage	300V ac (rms) or dc
Contact Rating	
Current Carrying	2 Amp Continuous
Current Breaking with Resistive Load	25 Watt ac or 15 Watt dc Recommended max Voltage 300V ac and max current 500mA ac, dc
Proof Voltage	1000V ac (rms) minimum
Insulation Resistance (All Paths)	Greater than 10^6 Megohms
Contact Resistance (Initial)	2-10 Milliohms
(After 20,000 Cycles)	Not greater than 5 Milliohms above initial



The Type PZ Rotary Wafer Switch is a high quality 24 Position Switch ideally suited for professional and military applications.

Optional features include; dual and triple concentric spindle arrangements, panel and spindle seals, printed circuit terminations, electrostatic screens and facilities for fitting mains switches, potentiometers and potentiometers with mains switches.

MECHANICAL SPECIFICATION

End Stop Strength	1.7Nm (15lb ins)
Maximum Switching per Wafer	

Poles	1	2	3	4	5	6
Ways	23*	11	7	5	3	3

*Special 24 Way also available

CONTACTS

Standard - Brass Silver Plated. Silver Alloy or Brass Gold Plated contacts are also available

ROTOR BLADES

Make Before Break or Break Before Make

INSULATION

Stator - Moulded Diallylphthalate (D.A.P.)
Rotor - Acetal Resin (Delrin)

FINISH

Standard - Zinc Plated and Passivated. Other finishes are available to order

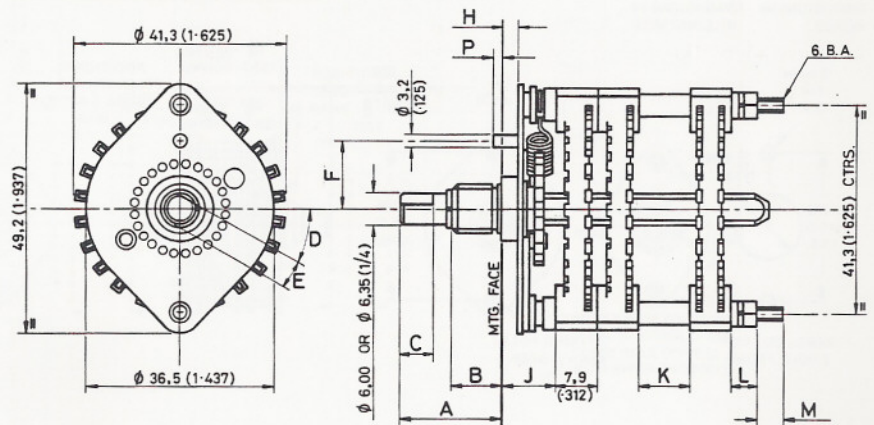
MOUNTING DETAILS

Imperial (Standard) Bush $\frac{3}{8}$ x 32 TPI (White)
Shaft 0.25" diameter
Nut 0.531" A/F

Metric (if specified) Bush M10 x 0.75
Shaft 6mm diameter
Nut 14mm A/F

Metric (if specified) Bush M7 x 0.75
Shaft 4mm diameter
Nut 12mm A/F

DIMENSIONS IN millimetres (inch equiv.)



Key to Details

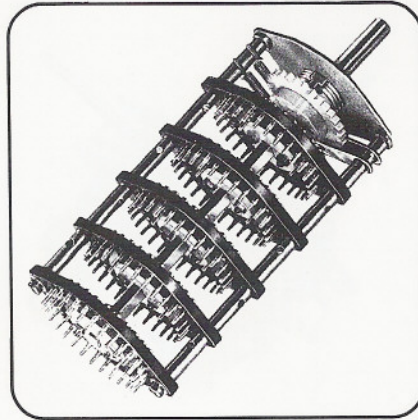
- | | |
|--|--|
| <p>A. Shaft Length to specification</p> <p>B. Bushing Thread Length. Imperial 9.5 (0.375") or 6.35 (0.25") metric 8.0, 10.0 or 12.0</p> <p>C. Flat Length to specification. Special shaft trims may be provided to special requirement</p> <p>D. Angle of Flat to specification $\pm 2^\circ$. Specify position of flat with switch shaft in fully anti-clockwise position when viewed from knob end.</p> <p>E. Flat Thickness to specification. Standard 5.54 ± 0.05 (0.218" \pm 002").</p> <p>F. Distance of locating key centre line to centre line of shaft 13.5 (0.531"). Key position as shown.</p> | <p>H. Bushing Shoulder: 3.2 (0.125")</p> <p>J. Dimension to first wafer 10.5 (0.415")</p> <p>K. Wafers are self stacking, spacing between wafers can be provided in 1mm increments.</p> <p>L. If no spacer 4.0 (0.157") spacers may be inserted at this point in 1mm increments.</p> <p>M. As Required</p> <p>P. Locating Lug Lengths
Unsealed 1.6 (0.063") above Mounting Face
Sealed 0.05/0.15 (0.002"/0.006") below Mounting Face</p> |
|--|--|



Type 72 Multibank Rotary Switch

The Type 72 Multibank Rotary Switch has been designed to meet BT Specification RC 1416 and provide a high electrical performance allied to a long life of over 20,000 cycles of operation under normal conditions. The switch features a nylon click wheel and is available on centre fixing or by 2 4BA screws. Sealed versions are available on centre fixing only and the unsealed centre fixing type is approved by the Ministry of Technology to style SR3 of DEF 5154.

The switch accommodates from 1 to 6 banks carrying 1, 2, 3 or 4 poles per bank, and incorporates fully adjustable stops at either end of the traverse. Adjustment is by a single locknut. The contacts can either be silver or gold plated nickel silver.



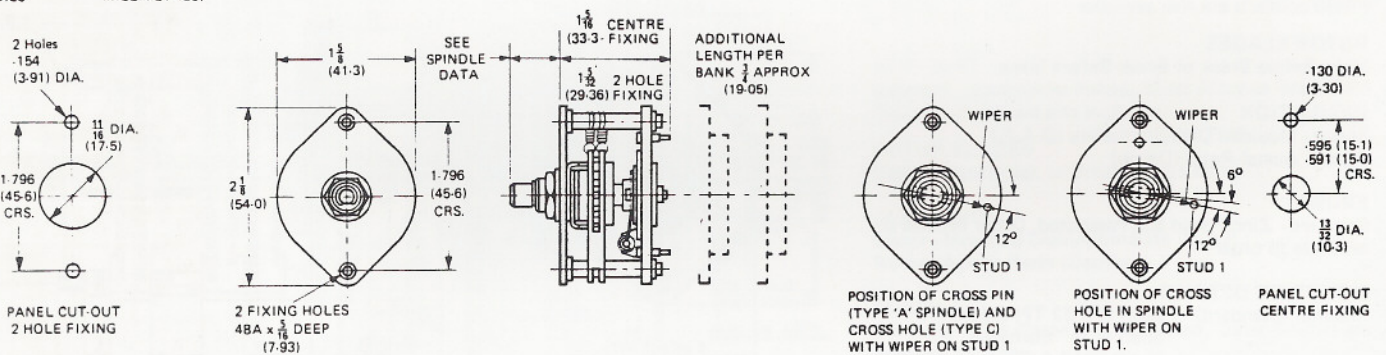
ELECTRICAL SPECIFICATION

Rating	200 Volts dc or ac (rms), 1 Amp
Contact Resistance	0.005 Ohms average
Insulation Resistance	Greater than 500 Megohms at 500 Volts dc
Breaking Current	0.25 Amps
Capacitance	Stud to stud less than 1pf Stud to contact ring less than 2pf Contact ring to contact ring less than 3pf

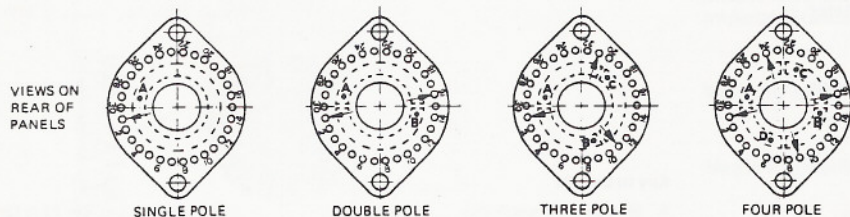
MECHANICAL SPECIFICATION

No. of banks	1 to 6
No. of poles	1, 2, 3 or 4
Max. No. of positions (with stops)	1pole 2pole 3pole 4pole
Make before break	29 14 9 6
Break before make	15 7 5 3
Max. No. of positions (fully rotational)	30, break before make 15
Angle per step	Make before break, 12° Break before make, 24°

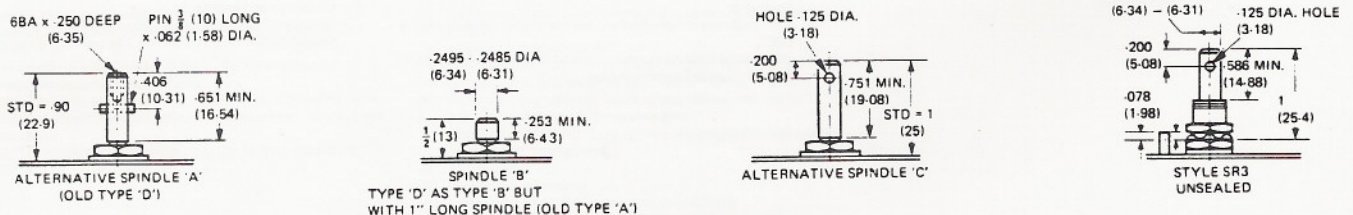
DIMENSIONS IN INCHES (DIMENSIONS IN MILLIMETRES)



STYLE SR3



SPINDLE DETAILS





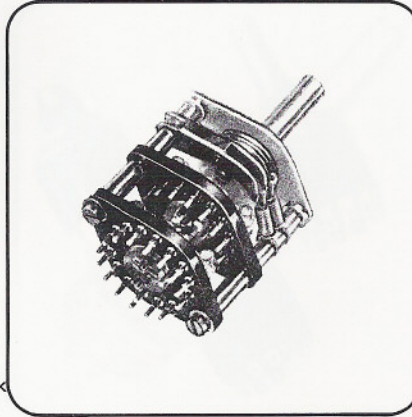
Type 142 Rotary Switch

ELECTRICAL SPECIFICATION

Rating	250 Volts dc or ac (rms), 1 Amp
Contact Resistance	0.005 Ohms average
Insulation Resistance	Greater than 500 Megohms at 500 Volts dc
Breaking Current	0.25 Amps
Capacitance	Stud to stud less than 1pf Contact ring to contact ring less than 3pf

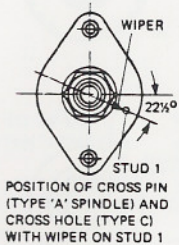
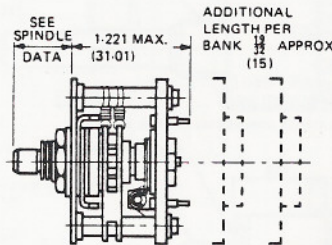
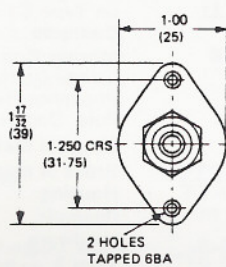
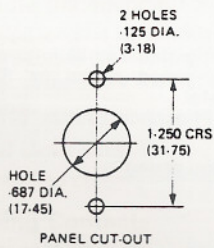
MECHANICAL SPECIFICATION

No. of banks	1 to 6
No. of poles	Single or double
Max. No. of positions	16, single pole, make before break 8, single pole, break before make 7, double pole, make before break 4, double pole, break before make 7, double pole, make before break 4, double pole, break before make
Angle per step	Make before break, 22½° Break before make, 45°



The Type 142 is a smaller version which retains all the technical features and quality of the Type 72. The dimensions of the top plate are only 1" (25.4mm) x 1 17/32" (38.89mm) with 1 1/4" (31.75mm) between the two fixing centres. It is available with 1 to 6 banks, single or double pole per bank. Maximum number of positions is 16, single pole; and 7, double pole.

DIMENSIONS IN INCHES (DIMENSIONS IN MILLIMETRES)



VIEWS ON REAR OF PANELS

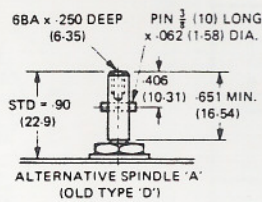


SINGLE POLE

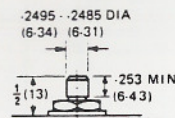


DOUBLE POLE

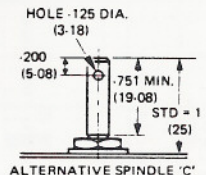
SPINDLE DETAILS



ALTERNATIVE SPINDLE 'A' (OLD TYPE 'D')



SPINDLE 'B'
TYPE 'D' AS TYPE 'B' BUT WITH 1" LONG SPINDLE (OLD TYPE 'A')



ALTERNATIVE SPINDLE 'C'