



NOTE - 1

SINGLE - PHASE 115 / 230Vac	NEUTRAL	TERMINAL - 1
	LIVE	TERMINAL - 2
		TERMINAL - 3

THREE - PHASE 380 - 480Vac	PHASE - U	TERMINAL - 1
	PHASE - V	TERMINAL - 2
	PHASE - W	TERMINAL - 3

24Vdc	24Vdc (+ve)	TERMINAL - 1
	0Vdc (-ve)	TERMINAL - 2
		TERMINAL - 3

NOTE - 2
ISOLATED, NOMINAL 24Vd, 5W POWER SUPPLY AVAILABLE FOR ACTUATOR FED REMOTE CONTROL.

NOTE - 3
INDICATES A FAULT WITH THE ACTUATOR HAS OCCURRED, DETAILS SHOWN ON LOCAL INDICATION.

NOTE - 4
MONITORS ACTUATOR AVAILABILITY (SHOWN DE-ENERGISED, UNAVAILABLE).

NOTE - 5
OPEN / CLOSED INDICATION WILL RETURN TO POSITION SHOWN WHEN DE-ENERGISED.

(NOTE - 3, 4 & 5. RELAYS RATED AT 5A - 120Vac - 30Vdc).

NOTE - 6
SAFETY CONTROL SIGNALS
20-60Vac/dc or 60-120Vac

NOTE - 7
DIGITAL CONTROL SIGNALS
20-60Vac/dc or 60-120Vac

NOTE - 8
ANALOGUE CONTROL SIGNAL
INPUT (DEMAND) RANGE BETWEEN (0-20mA or 0-10Vdc)
OUTPUT (CPT) RANGE BETWEEN (4-20mA).

NOTE - 9

PAKSCAN 2 WIRE CONTROL	2 WIRE 'A' (IN)	TERMINAL - 26
	2 WIRE 'B' (OUT)	TERMINAL - 27
	2 WIRE 'C' COMMON	TERMINAL - 28
	SCREEN	TERMINAL - 29

MODBUS 2 WIRE / 4 WIRE RS485 HIGHWAY	FIELD CONNECTION '1A'	TERMINAL - 24
	FIELD CONNECTION '1B'	TERMINAL - 26
	FIELD CONNECTION '2A'	TERMINAL - 27
	FIELD CONNECTION '2B'	TERMINAL - 28
	COMMON	TERMINAL - 23
	SCREEN	TERMINAL - 29

PROFIBUS RS485 HIGHWAY SINGLE CHANNEL	TERMINATOR	TERMINAL - 17
	PROFIBUS B (IN)	TERMINAL - 20
	PROFIBUS B (OUT)	TERMINAL - 24
	PROFIBUS A (IN)	TERMINAL - 21
	PROFIBUS A (OUT)	TERMINAL - 26
	SCREEN	TERMINAL - 29

FOUNDATION FIELDBUS IEC61158-2 HIGHWAY	FIELD CONNECTION '+'	TERMINAL - 27
	FIELD CONNECTION '-'	TERMINAL - 28
	SCREEN	TERMINAL - 29

DEVICENET	24Vdc (+ve)	TERMINAL - 26
	CAN-H	TERMINAL - 27
	CAN-L	TERMINAL - 28
	CAN-OV	TERMINAL - 29
	SCREEN	TERMINAL - 45

NOTE - 10
LOCAL INDICATION SHOWS POSITION, AS A % OF TOTAL TRAVEL. PRESSURE CAN ALSO BE DISPLAYED AS AN OPTION THIS IS SHOWN AS A % OF MAXIMUM RATED PRESSURE. ALL SETTINGS ARE CONFIGURED THROUGH THE LOCAL DISPLAY VIA A INFRA-RED SETTING TOOL.

NOTE - 11
MECHANICAL LIMIT SWITCH CONNECTIONS ARE SHOWN ON A SEPERATE DIAGRAM.

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REV.	DATE	CHG. No.	BY
A	22/07/05	1302	BDC
B	12/09/05	1331	SNR
C	18/10/06	1440	BDC
D	08/05/07	1482	SNR
-	-	-	-
-	-	-	-

ALL DIMENSIONS IN mm UNLESS OTHERWISE STATED
GENERAL TOLERANCE ±0.3mm.
M/C SURFACES ✓ TO BS.1134 μm Ra.
CASTING TOLERANCE TO ISO8062 GRADE CT6.
CASTING DRAW TAPER 2° MAX.
UNSPECIFIED CAST RADII TO BE 3mm MAX.
CAST EXTERNAL SURFACES TO BE SHOTBLAST.

DRAWN	SNR
DATE	04/10/05
CHECKED	-
DATE	-
APPROVED	-
DATE	-
SCALE	-

DRAWING TITLE	
CONNECTION DIAGRAM GENERAL 'SI' ACTUATOR RANGE	
MATERIAL	-
SPEC	-
FINISH	-

rotork®
Skilmatic

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No. **SMW-SI-001** REV. **D**
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