

CIRCUIT DRAWN WITH
POWER SUPPLY OFF

CIRCUIT DIAGRAM No -REV
3000-100-06
B1 C1 B2 C2

TRANSFORMER TAPPING OPTIONS

TYPE 1

TAP	NOM 50/60HZ	50HZ	60HZ
W	220/230	176-242	198-259
X	380/400	304-418	342-446
Y	415/420	332-457	374-487
Z	440/460	352-484	396-517

FUSE FS1 - 250mA ANTI-SURGE

TYPE 2

TAP	NOM 50/60HZ	50HZ	60HZ
W	346/380	285-388	321-419
X	480/500	406-552	432-564
Y	240/240	192-261	216-282
Z*	550/575	445-605	501-654

FUSE FS1 - 250mA ANTI-SURGE
* 150mA ANTI-SURGE

TYPE 3

TAP	NOM 50/60HZ	50HZ	60HZ
X	660/660-690	534-726	600-726
Y	690/---	558-759	

FUSE FS1 - 150mA ANTI-SURGE

ALL TRANSFORMER TYPES - PS1 SELF
RESETTING
FUSE

NOTE

WHERE CUSTOMERS WISH TO HAVE THE
THERMOSTAT BY-PASSED DURING
EMERGENCY SHUTDOWN OPERATION, IT
SHOULD BE NOTED THAT ANY ACTUATOR
HAZARDOUS ENCLOSURE CERTIFICATION
WILL BE INVALIDATED WHILE THE
THERMOSTAT IS BY-PASSED.

MAX EXTERNAL LOAD ON TERMINALS
4 & 5 TO BE 5W.

FOR TYPICAL REMOTE CONTROL
INDICATING, MONITORING AND ALARM
CIRCUITS SEE PUBLICATION E120E

CONTROL SIGNAL THRESHOLD VOLTAGES
TO BE MINIMUM 'ON' 20V AC/DC
MAXIMUM 'OFF' = 3V
MINIMUM CONTROL SIGNAL DURATION
TO BE 300ms.

CURRENT DRAWN FROM EACH REMOTE
CONTROL SIGNAL IS 5mA ON 24V DC
OR 12mA ON 120V AC

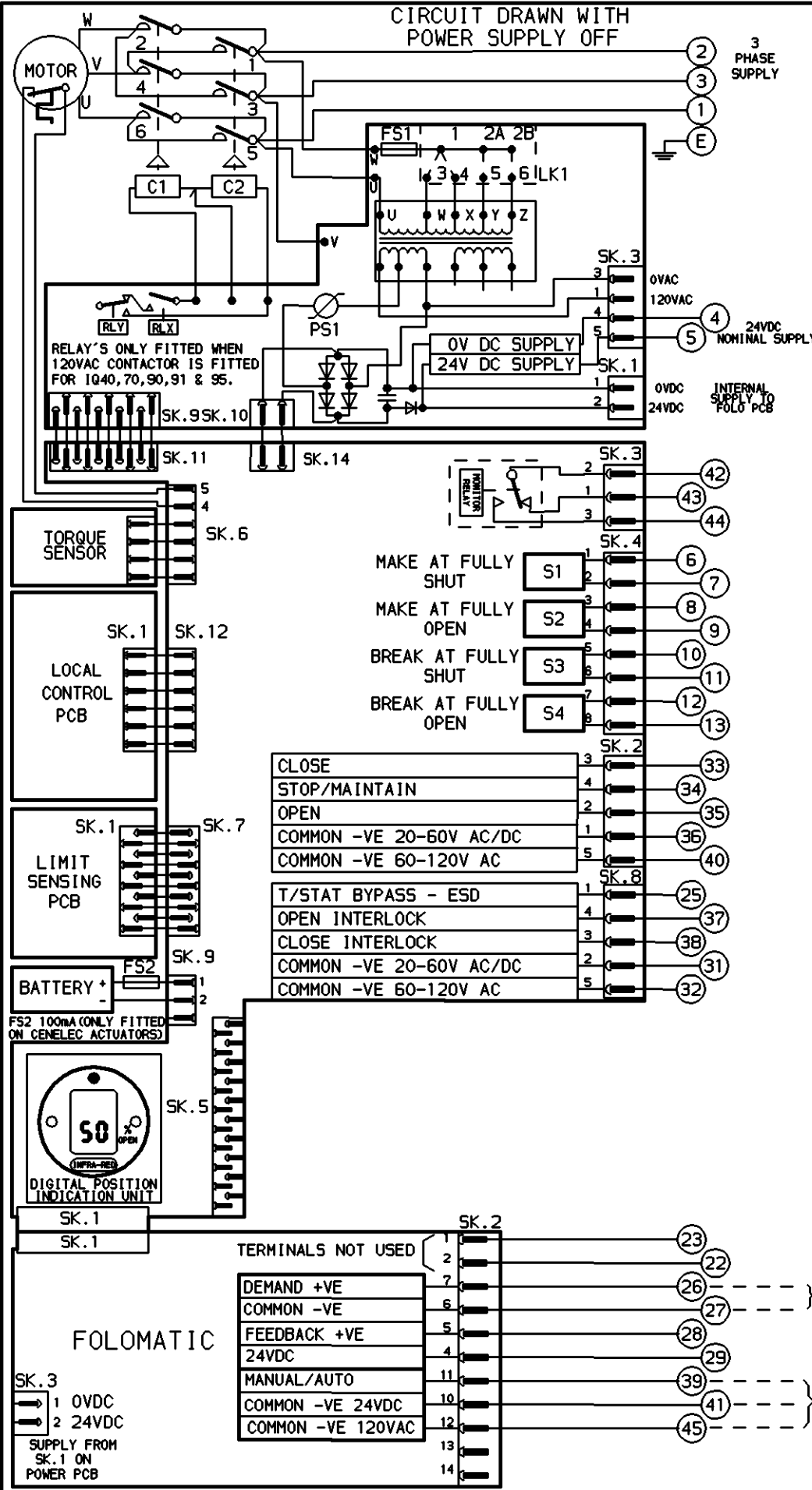
WIRES ARE IDENTIFIED AT EACH END
BY TERMINAL No. OR TAG No.

INDICATION CONTACTS S1-S4 ARE SHOWN
IN THEIR DEFAULT CONFIGURATION.
CONTACTS MAY BE CONFIGURED FOR ANY
OF THE FUNCTIONS DESCRIBED IN E170E

ANALOGUE INPUT SIGNAL FOR FOLOMATIC

FOR NORMAL FOLOMATIC CONTROL LINK
TERMINAL 39 TO TERMINAL 5, AND
TERMINAL 41 TO TERMINAL 4.

FOR MANUAL/AUTO CONNECTIONS AND
DETAILS OF FOLOMATIC/CPT FUNCTIONS
REFER TO ROTORK PUBLICATION E120E



No	DATE	REVISION
03		POWER BOARD RELAYS MODIFIED
04		S1-S4 NOTES ADDED --
05	260400	FORM F TERMINALS UPDATED
06	080500	MONITOR RELAY & 120V PINS CHANGED. BATTERY FUSE ADDED. CTT CONNECTIONS REMOVED



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CONFIG BY PGS
DATE 270999
CHECKED PJW
BASE WD --
JOB No --
M.I.No .

IQ + FOLOMATIC
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3000-100-06
B1 C1 B2 C2